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Seeds

Farming Implements

WISEMAN-DOWNS CO., Inc.

34 E. PRATT ST. BALTIMORE, MD.

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SERVICE--SUCCESS

WE again come before you with greetings for the Season of 1941 which means Thirty-one Years of Successful Business of selling dependable "SEEDS THAT GROW." We are also confronted with a world of unrest and torn with war, especially in some very important seed growing sections and which has caused a shortage of some varieties. We are therefore compelled to quote prices—subject to change—without notice and reserve the right to withdraw all prices at any time. In view of these facts we would request that you place your orders early so as to be assured of delivery while the supply lasts. We are ready and willing to serve you in the usual way, whether you have just a kitchen garden or a thousand acre farm. Remember our success depends upon your success.

We thank you,

WISEMAN-DOWNS CO., INC.

BUSINESS RULES AND PROCEDURE

PLEASE ORDER EARLY, thus enabling us to forward promptly—as a rule the day after the order is received. During the March and April rush we may fall a day or two behind; if any greater delay is likely we will advise. If goods ordered do not arrive in a reasonable time, send a copy of the order with letter of inquiry. This will be a great help in expediting adjustment.

THE ORDER BLANKS accompanying this catalogue will be convenient for customers and facilitate our filling orders.

PATRONS IN SIGNING ORDERS are requested to use prefix Mr., Mrs. or Miss. Married ladies should invariably use husband's initials

WE GUARANTEE THE SAFE ARRIVAL in United States of all goods forwarded by express.

WE FORWARD AS CUSTOMER DIRECTS by Parcel Post, express or freight, in accordance with our offers elsewhere in this catalogue. When no shipping instructions are given, we send according to our judgment.

ALWAYS GIVE FULL ADDRESS.—This is very important, yet is sometimes omitted by customers; in fact, some orders and letters reach us lacking both name and address.

REMITTANCES may be made by Express Money Order, P. O. Money Order or Bank Draft; if stamps or cash send in a Registered Letter.

ACCOUNTS.—Parties having no account with us—who order goods without remittance—must furnish satisfactory reference. Baltimore city reference preferred on account of the shorter delay pending investigation.

QUESTIONS AND CORRESPONDENCE.—We endeavor to answer promptly all letters of inquiry—which should be on separate paper from orders—but we cannot undertake the planning of gardens and grounds.

ERROR IN THE FILLING OF ORDERS.—We use the greatest care in filling, checking and packing orders. Yet should anything be omitted we will promptly forward when advised. Keep a duplicate copy of your order for comparison.

TO PREPARE A COLD FRAME

The Cold Frame is simply a frame set on the ground, no bottom heat being applied. It is banked up on the outside during the Winter with marsh hay, straw or coarse litter. The soil is prepared by forking in and thoroughly mixing to the depth of 10 or 12 inches a liberal quantity of old, well-rotted manure. The manure of an old hot-bed is good for the purpose. The frame is prepared in the Fall, and young Cabbage, Cauliflower and Lettuce plants are set out in it in time to get well established before very cold weather. Cauliflower and Cabbage should be set down to the first leaf and the soil made firm around the plants. The seed is usually sown, in this vicinity, from the 15th to the 20th of September. The young plants will be ready to transplant in about 25 to 30 days. During cold nights and stormy days the beds should be closely covered with the sashes, and these further protected by straw mats or shutters. Cauliflower needs more and closer protection than Cabbage, and it is rather more tender. During mild days admit air freely, the object being to keep the plants in a dormant state, without actual freezing, so that when Spring comes they are in a forward state for setting out early crops. Seeds of Cabbage, Cauliflower, Lettuce and Radish may be sown in a Cold Frame in the Spring from the last week in February to the first week in March. The frame should stand in a warm and sheltered spot, and be kept from freezing by mats or a thick covering of straw during cold nights.

DIRECTIONS FOR MAKING A HOTBED

In this vicinity from the first to the latter part of March is quite early enough to make a Hotbed. The time must vary according to the latitude. Provide a quantity of fresh horse manure from the stables, and add to this, if they can be had, one-third to one-half its bulk of leaves. Mix them thoroughly, tramping down the mass in successive layers and form into a large pile, so that fermentation will proceed even in severe cold weather. In two or three days fermentation will be apparent by the escape of steam from the heap. Now turn again, and allow the heap to remain two or three days longer, or until the second fermentation commences. Make an excavation or pit 2½ feet deep and of a size suited to the number of plants required. The pit will be better if built up of brick. It should be made in some dry, sheltered spot, facing the south or east, if possible. Hotbed sashes are usually 3x6 feet, and one or two sashes will give early plants enough for a small family. The frame for sashes should be 18 inches high at the back and 12 inches in front, which will give the proper slope to catch the sunlight. Cross-pieces should be placed for the sashes to slide on, to facilitate opening and shutting the frames. When everything is ready, the manure is placed in the pit and trodden down firmly in layers to the required depth, 2 to 2½ feet. Then put on the sashes and keep the pit closed until the heat arises. At first it will probably be 100 degrees or more, which is too hot to sow the seed in, but in two or three days it will subside to 90 degrees or a little less, when the soil may be put on to the depth of 6 to 8 inches. The heat may be readily ascertained by plunging a thermometer into the manure. The soil should be of well-rotted sod (or common garden soil will do), mixed with about one-third of fine old manure, and in this the seeds may be sown thinly in drills 2 or 3 inches apart, and afterwards (as soon as out of the seed leaf) either thinned out or else transplanted to another frame. Air must be given every mild day by raising the sashes at the back. Water with tepid water whenever necessary, and during cold nights and snow-storms keep covered with mats or board shutters. Tomatoes, Peppers and Egg-plants should be sown in a separate frame from Cabbage, Cauliflower and Lettuce, as they require more heat. The same directions may apply to Hotbeds made on the surface of the ground, except that the manure should be at least a foot wider on all sides than the frame.

SEEDS THAT GROW

ARTICHOKE

CULTURE.—Plant the seed during March or April in hot-beds or some similar manner that the plants may be protected. When the plants are large enough and all danger of frost is past they should be transplanted in rows about 4 feet apart and about 2 feet in the row. They should be protected during Winter with a heavy dressing of manure or straw.

GREEN GLOBE

Plants of medium height with large thistle-like medium deep green foliage; grown for the undeveloped flower heads which are cooked like asparagus. **Pkt. 10c, oz. 40c.**

ASPARAGUS

This can be grown from seeds or roots, the latter preferred. It is one of the earliest and most delicious of Spring vegetables. Seeds should be sown thinly in early Spring in rows 1 foot apart. Thin out the weakest plants so the remainder with be 4 inches apart. When 1 year old transplant in the permanent bed, from where it can be cut 3 years later. One ounce of seed will sow about 60 feet of drill. About 400 plants to the ounce. Asparagus may be grown in almost any soil or situation, but special success is attained in thoroughly enriched, deeply dug sandy loam. Beds cared for improve with age, lasting for many years.

MARY WASHINGTON (Rust Proof)

Our stocks of this variety come from carefully selected roots from the original fields as introduced by the Dept. of Agriculture, and is the best stock available for seed purposes. The main feature of this variety is its rust resisting qualities. It is also a large variety and very prolific, of a good greenish color. **Pkt 10c, oz. 15c, ¼ lb. 25c, lb. 75c.**

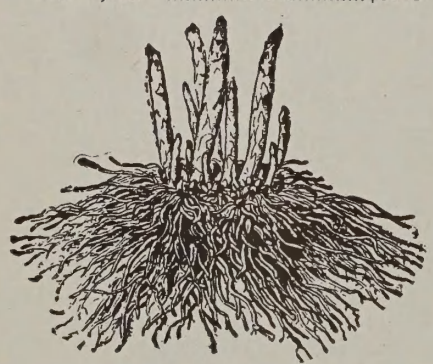
ASPARAGUS ROOTS

TWO-YEAR OLD ROOTS

4,000 to 6,000 roots are required for an acre.

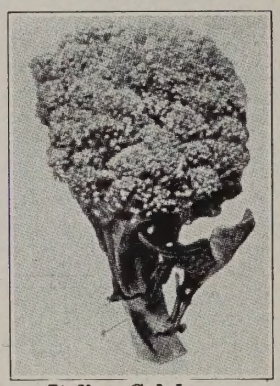
Mary Washington

Per 100.....$1.25
Per 1,000.....$9.00



BROCCOLI

TRUE ITALIAN CALABRESE or HEADING



Italian Calabrese

60 Days. A tall branching plant forms a head of bluish-green flower buds resembling a loose head of Cauliflower. A very delicious vegetable, producing large heads which if kept cut will produce other small heads for several weeks. Cultivate like you would cauliflower. There are a number of strains of Broccoli and some varieties are not desirable and great care should be taken in order to be sure you get the right sort. The strain we offer is the True Calabrese or Heading. **Pkt. 10c, oz. 25c, ¼ lb. 75c, lb. $2.50.**

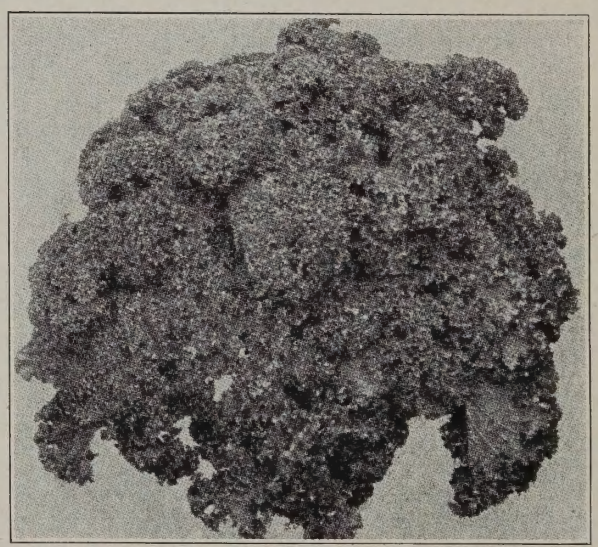
ITALIAN SALAD or SPROUTING

Sometimes called and looks like Seven Top Turnip, but yields more abundantly. The seed should be sown about the middle of August in rows about 32 inches apart or broadcast at the rate of 2 to 3 pounds per acre. The sprouts will be ready for market about the latter part of February or the first part of March. Makes a most excellent salad with a taste peculiarly its own and commands a fancy price. **Pkt. 10c, oz. 15c, ¼ lb. 40c, lb. $1.25.**

BORECOLE

SCOTCH KALE

The plant is more hardy than cabbage, and makes excellent greens for Winter and Spring use. One ounce of seed will sow a drill of about 150 feet. Should be grown like cabbage.



Dwarf Curled Scotch

DWARF GREEN CURLED SCOTCH

55 Days. Plant low and compact, but with large, bright deep green leaves, curled, cut and crimped until the whole plant resembles a bunch of moss. **Pkt. 10c, oz. 20c, ¼ lb. 40c, lb. $1.25.**

DWARF CURLED SCOTCH (Blue Strain)

55 Days. Grows very similar to above, except that the low growing moss-curled leaves are of a dark blueish green color. Extremely hardy. **Pkt. 10c, oz. 20c, ¼ lb.40c, lb.$1.25.**

TALL GREEN CURLED SCOTCH or HARDY WINTER

60 Days. This is the most popular variety for market gardeners and the home garden as well, in that it grows taller; about 18 inches to 2 feet. Very hardy. **Pkt. 10c, oz. 20c, ¼ lb. 40c, lb. $1.25.**

CULTURE.—Sow the seed after all danger of frost is past, in rows 2 feet apart. Soil should be warm and well prepared. Frequent, shallow cultivation while plants are young is advisable. For succession plant every 10 days or 2 weeks until midsummer. One pint will plant 100 feet of row, one bushel will plant one acre. Plant about one and a half inches deep.

A Field of Our Round Pod Black Valentine Beans as Grown on the Farm of Louis G. Davis

Dwarf Green Pod Beans

NEW STRINGLESS

49 Days. Plant medium large, erect, somewhat thick stemmed, heavily productive. Pods nearly straight, dark green, round meaty, succulent; absolutely stringless, totally without fiber, of outstanding quality. **Pkt. 10c, pt. 25c, qt. 40c pk. $2.25, bu. $7.50.**

FULL MEASURE

54 Days. This new green-podded bush bean is a heavy cropper and very early, of fine shape, stringless and good quality. Its hardiness and great productiveness make it one of the very best bush beans. **Pkt. 10c, pt. 25c, qt. 40c, pk. $2.25, bu. $7.50.**

GIANT STRINGLESS

62 Days. A very popular variety with the market gardeners. Since its introduction a few years ago it has become very much in demand. Pods round and of a beautiful color, very early and prolific. **Pkt. 10c, pt. 25c, qt. 40c, pk. $2.25, bu. $7.50.**

STRINGLESS GREEN POD. IMPROVED

52 Days. Originally introduced as Burpee's Stringless Green Pod. Very Early. Sturdy, Stringless Variety, Plant Large, Erect, very productive. Pods round, medium, green, very meaty. Seed coffee-brown. **Pkt. 10c, Pt. 25c, Qt. 40c, Pk. $2.00, Bus. $7.00.**

ASGROW—(STRINGLESS BLACK VALENTINE)

49 Days. Very attractive, oval pods, nearly straight, dark green, strictly stringless, and of fine quality. Due to its hardiness, it will withstand slight frost. **Pkt. 10c, Pt. 25c, qt. 40c, pk. $2.25, bu. $7.50.**

W.D.CO.'S BLACK VALENTINE STRINGLESS (Round Pod)

49 Days. Very hardy, early, prolific and of fine texture. Pods inclined to be a little more slender than the Asgrow and are perfectly round. **Pkt. 10c, pt. 25c. qt. 40c, pk. $2.25, bu. $7.50.**

BOUNTIFUL

49 Days. An extra early flat podded sort. Absolutely stringless and of a very good quality. Very productive and a splendid shipper. **Pkt. 10c, pt. 25c, qt. 40c, pk. $2.00, bu. $7.00.**

DWARF HORTICULTURAL or CHERRY

54 Days. Used for snap beans, and also for green shelled beans which are edible in 62 days. Stringless and very productive. **Pkt. 10c, pt. 25c, qt. 40c, pk. $2,25, bu. $7,50,**

DWARF WAX POD BEANS

SURE CROP WAX—STRINGLESS

52 Days. A selection from Currie's Rust Proof Wax, more hardy, rust-resistant and a little later. Pods flat, and average an inch longer and somewhat thicker. **Pkt. 10c, pt. 25c, qt. 40c, pk. $2.25, bu. $7.50.**

ROUND POD KIDNEY WAX

58 Days. An outstanding sort for home use and for the market gardener. Plant large, erect, vigorous and productive. Pods handsome in appearance, medium yellow, tound, slightly curved, extremely brittle and absolutely stringless. **Pkt, 10c, pt. 25c, qt. 40c, pk. $2.25, bu. $8.00.**

POLE LIMA BEANS

CULTURE.—Plant when all danger of frost or cold nights are over. Don't be afraid to put a liberal number in a hill, as this is cheaper than replanting. Set poles 4 feet apart each way. Thin out to 3 plants to a pole. One quart will plant 100 hills; 12 to 15 quarts per acre.

ENORMOUS POLE LIMA

88 Days. Wonderfully prolific. The big, broad, thick, meaty beans holding their fresh greenish color, even when dried, are crowded tightly in the pods. The vines are so tremendously prolific that the handsome pods seem literally crammed on to every inch of the branches. Plant this variety and you will be pleased with the results. **Pkt. 10c, pt. 25c, qt. 40c, pk. $2.75, bu. $9.50.**

KING OF THE GARDEN

88 Days. Vines very vigorous and productive. Pods 5 to 6 inches long, filled with 4 or 5 immense white beans of the finest quality. On account of its large pods, it is a favorite with market gardeners. It will come into bearing sooner and will make larger pods if not more than 2 vines are left to grow on a pole. Seed very large, ovoid, flat, with slight greenish tinge. **Pkt. 10c, pt. 25c, qt. 40c, pk. $2.75, bu. $9.00.**

DREER'S IMPROVED or CHALLENGE

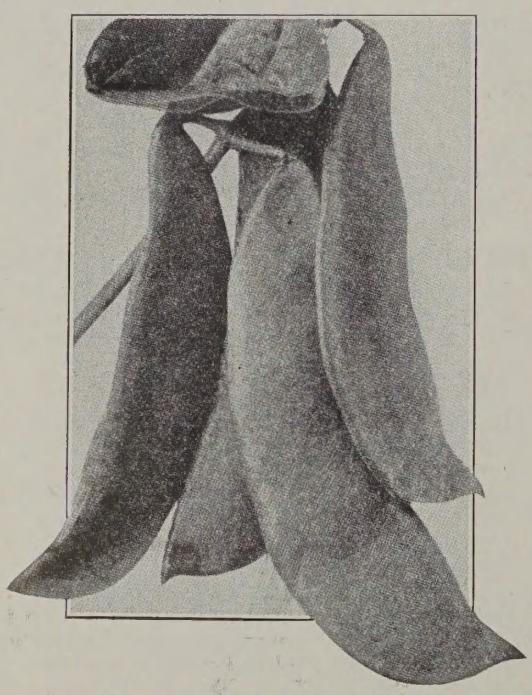
92 Days. Vines stout, vigorous and productive. Pods about 4 inches long, shorter and comparatively thicker than those of the other pole limas, and contains 4 to 5 beans, which are large, thick, white and of the best quality. **Pkt. 10c, pt. 30c, qt. 50c, pk. $3.00, bu. $10.00.**

EXTRA-EARLY JERSEY

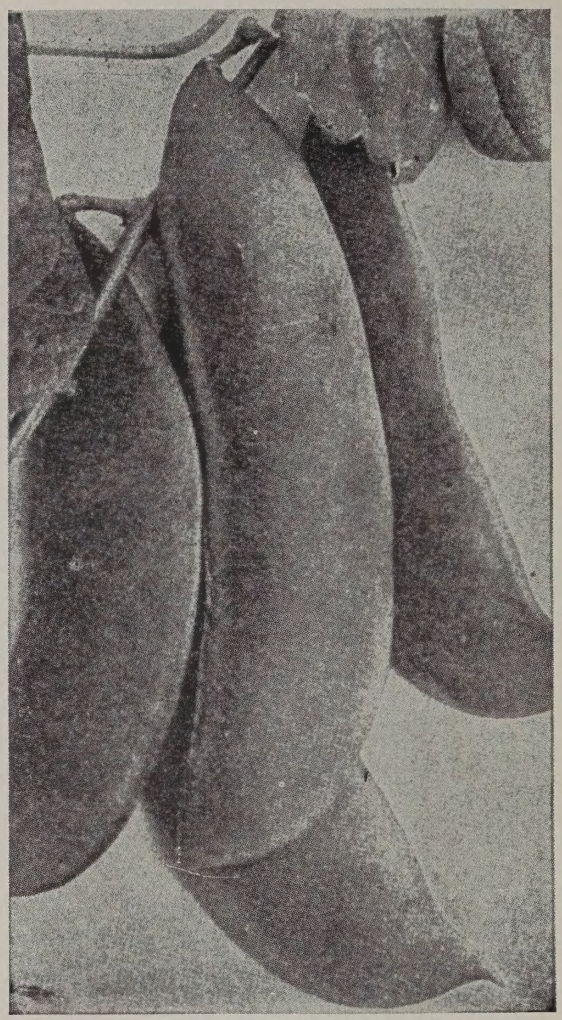
78 Days. This is an extremely early, ripening 2 weeks earlier than any other sort. Pods are thin and very easily opened. The vine is very productive and exceptionally hardy and vigorous. The quality of the bean, its size and beauty make it one of the best. **Pkt. 10c, pt. 25c, qt. 40, pk. $2.75, bu. $9.00.**

CARPENTERIA

88 Days. Color is a bright green. It is early, yet keeps bearing until frost. Pods are filled with 4 to 5 large mealy beans, of the very finest flavor. Vines are vigorous and strong in growth, producing a number of pods, well filled. **Pkt. 10c, pt. 25c, qt. 40c, pk. $2.75, bu. $9.00.**



Burpee's Improved Bush Lima



Enormous Pole Lima

BUSH LIMA BEANS

CULTURE.—Soil should be of a rich loam. Plant in rows 2 feet apart and 6 inches in the row. Plant after all danger of frost has passed. A top dressing of well-rotted stable manure or some good fertilizer will help wonderfully.

FORDHOOK BUSH LIMA

75 Days. The plant is vigorous and erect growing, bearing well above the ground. The pods are produced in large clusters, each containing 3 to 5 large beans of exceptionally fine quality. **Pkt. 10c, pt. 30c, qt. 50c, pk. $3,00, bu. $10.00.**

EARLY GIANT BUSH LIMA

68 Days. Larger and more prolific than the Fordhook. Large upright vigorous plants. Pods contain 4 to 5 large plump beans. **Pkt. 10c, pt. 30c, qt. 50c, pk. $3.00, bu. $10.00,**

DREER'S BUSH LIMA

80 Days. Dwarf variety of Dreer's Pole Lima, which has been fixed in its character of a bush bean; very prolific, single plants often producing 50 to 200 pods. Equal in quality and tenderness to Dreer's Pole Lima. **Pkt. 10c, pt. 30c, qt. 50c, pk. $2.75, bu. $9.50.**

BURPEE'S IMPROVED BUSH LIMA

75 Days. Plant large, erect, vigorous, very productive; pods contain four to five seeds. Dry beans, large, plump, flat, color white with greenish tinge. **Pkt. 10c, pt. 30c, qt. 50c, pk. $2.75, bu. $9.50.**

HENDERSON'S BUSH LIMA

65 Days. Known as the Baby Lima. They are very early and prolific, continuing to bear until frost. **Pkt. 10c, pt. 30c, qt. 50c, pk. $2.75.**

POLE BEANS

LAZY WIFE

74 Days. As this can be used as a shell or green bean, makes it very valuable for every home gardener as well as the market gardener. Pods are large and mealy; ripens early and very prolific. **Pkt. 10c, pt. 25c, qt. 40c, pk. $2.00 bu. $7.00.**

KENTUCKY WONDER

65 Days. Vine vigorous, climbing well and very productive, dry beans, long, oval, dun-colored; green pod, 9 and 10 inches long. **Pkt. 10c, pt. 25c, qt. 40c, pk. $2.00, bu. $7.00.**

HORTICULTURAL or WREN'S EGG

70 Days. Vines moderately vigorous, bearing broad pale green pods. Used either in the green state or as dried for winter. **Pkt. 10c, pt. 25c, qt. 40c, pk. $2.50,**

SHELL BEANS

BOSTON OR NAVY

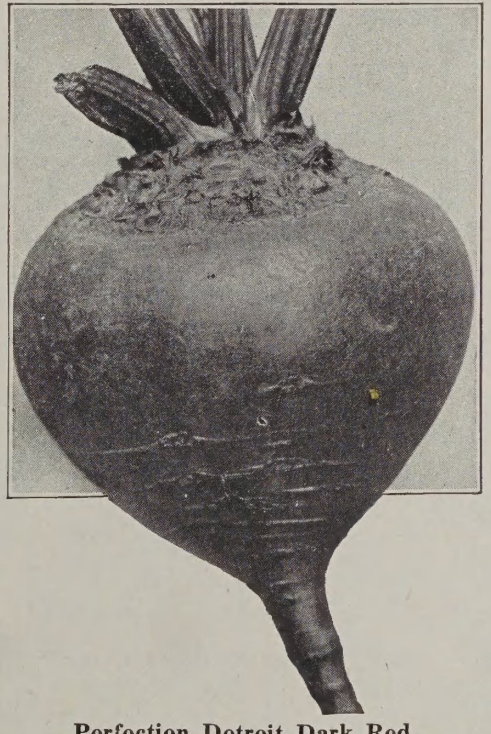
The popular small white Baking Bean. **Pkt. 10c, pt. 15c, qt. 25, pk. $1.50.**

BEETS

CULTURE.—The soil best suited for Beet culture is that which is rather light and well enriched. Sow in drills 1 foot apart and 1 inch deep, as early as the ground can be worked. When the plants are large enough thin out to 4 inches apart in rows. One ounce of seed will sow 100 feet of drill. 6 to 8 pounds to an acre.

EARLY WONDER

56 Days. Extra early, dark red color, fineness of shape and small top. One of the most attractive varieties grown, and is especially desirable for hotbeds on account of its small top and close-growing habit. Very popular with market gardeners for early or late planting. **Pkt. 10c, oz. 15c, ¼ lb. 25c, lb. 75c, 5 lbs. $3.25.**



Perfection Detroit Dark Red

PERFECTION DETROIT DARK RED

68 Days. This improved strain of Detroit has proven to be without zones, of excellent quality, tender, sweet and quite free from tough fibre. The root is globe shaped, color dark blood red. Tops large, which makes a good bunching sort. Especially adapted for canning purposes. **Pkt. 10c, oz. 15c, ¼ lb. 25c, lb. 90c, 5 lbs. $4.00.**

BEETS

DETROIT DARK RED

68 Days. The uniformity of size, shape and fine appearance puts this variety at once among the leaders of this most desirable of all vegetables. Roots medium in size, globular or oval and very smooth; skin a dark blood red; flesh deep bright red, fine-grained, crisp, tender and sweet, remaining so long after many sorts become woody. Our special stock of this variety shows no white zones. **Pkt. 10c, oz. 15c, ¼ lb. 25c, lb. 75c, 5 lbs. $3.25.**

CROSBY'S EGYPTIAN

60 Days. A carefully selected strain of Egyptian, as early as the original, but larger, thicker, smoother, and of better quality. Flesh deep blood red. It is a rapid grower, attaining a usable size quicker than any other variety, and does not become woody with age. **Pkt. 10c, oz. 15c, ¼ lb. 25c, lb. 75c, 5 lbs. $3.25.**

BEETS—MANGEL

MAMMOTH LONG RED MANGEL—110 Days. This is an enormously productive variety, yielding from 50 to 70 tons to the acre, a single root often weighing from 20 to 40 pounds. It is the best long red Mangel. **Pkt. 10c, oz. 15c, ¼ lb. 20c, lb. 50c, 5 lbs. $2.00.**

Brussels Sprouts

BRUSSELS SPROUTS

This vegetable is used in the Fall and early Winter and by some considered more tender and delicious than any cabbage. The plant resembles the cabbage, the edible part being the numerous very small heads or sprouts, an inch or two in diameter, formed on the stalk at each leaf joint. Culture is the same in all essentials as the cabbage, except the leaves should be broken down in the Fall to give the little heads more room to grow.

IMPROVED TALL

70 Days. Produces very many good sized solid round sprouts of the best quality. **Pkt. 10c, oz. 20c, ¼ lb. 60c, lb. $2.00.**

COLLARDS

GEORGIA or SOUTHERN

Called the Cabbage Collard on account of its close bunching growth. The plant produces center leaves generally perfectly white, though sometimes dashed with pink. **Pkt. 10c, oz. 15c, ¼ lb. 25c, lb. 75c.**

CRESS

AMERICAN IMPROVED UPLAND

60 Days. The perennial variety that stays green all the year. Boil like greens or serve like salad. **Pkt. 10c, oz. 15c, ¼ lb. 40c, lb $1.25.**

TRUE WATER

55 Days. Highly esteemed as a salad during the Spring and Fall, and as a garnish for meats during the Winter. **Pkt. 10c, oz. 50c**

CABBAGE

The requisites for complete success with Cabbage are: First, good seed. Second, rich, well-prepared ground. (A heavy, moist and rich loam is most suitable). Third, frequent and thorough cultivation. The ground should be highly manured and worked deep. Our Cabbage Seeds are American-grown, and we are certain that better seed could not be obtained. One ounce of seed to 100 yards of row.

EARLY JERSEY WAKEFIELD

62 Days. The earliest and surest heading of first early Cabbage. Plant compact, with few outer leaves, which are smooth and thick. Heads of medium size, solid, uniformly pointed and of excellent quality. The habit of growth and hardiness make it most desirable for early planting. **Pkt. 10c, oz. 20c, ¼ lb. 60c, lb. $2.00.**

CHARLESTON, or LARGE WAKEFIELD

71 Days. A strain in which the plant is larger and a little later than Early Jersey Wakefield, the head being fully as solid, but less pointed and considerably larger. Leaves rather large, smooth and comparatively thick. **Pkt. 10c, oz. 20c, ¼ lb. 60c, lb. $2.00.**

GOLDEN ACRE

62 Days. Extremely early flat head. It matures much earlier than Copenhagen Market and heads much larger and more compact. Few outer leaves, allowing close planting **Pkt. 10c, oz. 30c, ¼ lb. 75c, lb. $2.50.**

COPENHAGEN MARKET

66 Days. Very fine, nearly as early as Jersey Wakefield, stem short, heads large, round and solid, with few outer leaves of an upright growth. **Pkt. 10c, oz. 20c, ¼ lb. 60c, lb. $2.00.**

ALL HEAD EARLY

78 Days. The largest of the early Cabbages, being roundish flat and very solid. **Pkt. 10c, oz. 20c, ¼ lb. 60c, lb. $2.00.**

EARLY FLAT DUTCH

78 Days. Very compact grower, with a medium-size, roundish, flat head, which is always solid. **Pkt. 10c, oz. 20c, ¼ lb. 60c, lb. $2.00.**

ALL SEASONS

85 Days. This forms a fine large head, of superior quality nearly as early as the Early Summer. Suitable for planting at any season. **Pkt. 10c, oz. 20c, ¼ lb. 60c, lb. $2.00.**

SUCCESSION

88 Days. Very popular with the market gardener, producing enormous, uniform heads, and matures a few days later than Early Summer. **Pkt. 10c, oz. 20c, ¼ lb. 60c, lb. $2.00.**

YELLOW-RESISTANT CABBAGE

Introduced by the Wisconsin Agricultural Experiment Station several years ago. Adapted to localities infested with Cabbage-Yellows.

JERSEY QUEEN

62 Days. The same habit of growth as the Jersey Wakefield, except that it is Yellow Resistant. **Pkt. 10c, oz. 30c, ¼ lb. $1.00, lb. $3.25.**

75 Days. Marion Market. A strain of Copenhagen Market. **Pkt. 10c, oz. 40c, ½ lb. $1.25, lb. $4.50.**

62 Days. Detroit—Resistant Golden Acre. **Pkt. 10c, oz. 40c, ¼ lb. $1.25, lb. $4.50.**

90 Days.—Wisconsin Hollander. Of the Danish Ball Head Type. **Pkt. 10c, oz. 30c, ¼ lb. $1.00, lb. $3.25.**

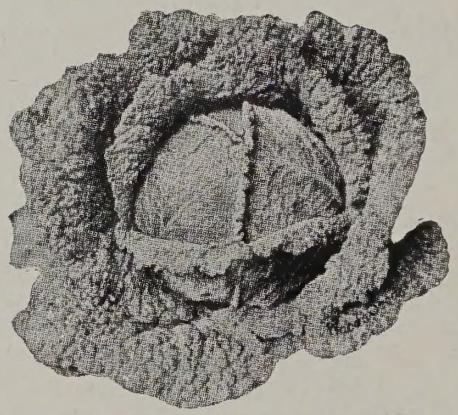
85 Days.—Wisconsin All Seasons. Yellows Resistant, all Seasons. **Pkt. 10c, oz. 30c, ¼ lb. $1.00, lb. $3.25.**

PREMIUM LATE FLAT DUTCH

95 Days. This variety of late Cabbage is a standard in all sections for Winter use. It makes a large, solid head, which keeps long without bursting and is adapted to a more varied climate than probably any other variety. **Pkt. 10c, oz. 20c, ¼ lb. 60c, lb. $2.00.**

RED ROCK

100 Days. While late in maturing, this is the largest heading of all deep red varieties. **Pkt. 10c, oz. 25c, ¼ lb. 75c, lb. $2.75.**



CHIEFTAIN SAVOY

88 Days. (All American Award 1938). Unsurpassed as an all-purpose strain of Savoy Cabbage for market garden, shipping and home garden. Plants medium, short stemmed, and compact. Broad leaves, rounded and uniformly savoyed, and dark olive green in color. Heads medium large, thick, flat, rounded on top. We can highly recommend this variety. **Pkt. 10 and 25c, oz. 50c, ¼ lb. $1.50, lb. $5.00.**

PERFECTION DRUMHEAD SAVOY

90 Days. Excellent keeper. Heads nearly round, full and hard; leaves large, coarsely crimped, bluish green; of good quality. **Pkt. 10c, oz. 25c, ¼ lb. 75c, lb. $2.50.**

PREMIUM LATE FLAT DUTCH

CARROT

CULTURE.—While a sandy loam, made rich by manuring the previous year, is the best soil for the Carrot, any good land, if thoroughly and deeply worked, will produce satisfactory crops. It is advisable to sow as early in the Spring as the ground is fit to work, though good crops may be grown from sowings as late as June 15. The table use, sow the smaller kinds early in rows 16 to 18 inches apart. For field culture, sow in drills 18 to 24 inches apart, using from 1½ to 3 pounds of seed to the acre. Cover ½ to 1 inch deep. One ounce of seed to 100 feet of row.

Danver's Half Long

DANVER'S HALF LONG

75 Days. A half-long orange carrot, grown largely on account of its great productiveness and adaptability to all classes of soil. Tops of medium size. Roots of medium length, 6 to 8 inches long, tapering uniformly to a blunt point. Flesh deep orange crisp and tender. Although the roots of this variety are comparatively short, they produce as large a bulk as the longer field sorts and are more easily harvested. **Pkt. 10c, oz. 15c, ¼ lb. 40c, lb. $1.25.**

W. D. CO.'s. CORELESS

68 Days. Tops of medium size; roots cylindrical, smooth, bright orange; flesh orange, becoming yellow in center, but with no distinct core. One of the handsomest of the medium size sorts; excellent for the market gardener or home garden. **Pkt. 10c, oz. 15c, ¼ lb. 40c, lb. $1.25.**

GUERANDE or OX HEART

75 Days. Especially desirable for soil so hard and stiff that longrooted sorts would not thrive in it. Tops comparatively small. Roots 4 to 5 inches long, very thick, ending abruptly in a small tap root. Flesh bright orange, fine-grained and sweet. When young the roots are excellent for table use, and when matured are equally good for stock feeding. **Pkt. 10c, oz. 15c, ¼ lb. 40c, lb. $1.25.**

Guerande, or Ox Heart

CHANTENAY or PRIDE OF THE MARKET

72 Days. Very productive, medium early and of excellent quality. Tops medium-sized; necks small. Roots thick, 5¾ to 6 inches in length, uniformly half-long or stumprooted, but tapering slightly; smooth, deep orange color. Flesh very crisp and tender. Although a medium-early sort, the roots are suitable for use nearly as early as any. One of the best in quality for the market and home garden, while its great productiveness and the ease with which it can be harvested make it very desirable as a field sort. **Pkt. 10c, oz. 15c, ¼ lb. 40c, lb. $1.25.**

IMPERATOR

78 Days. Roots 8 to 10 inches long and 1¾ to 2¼ inches across at shoulder. Cylindrical in shape and somewhat tapering, of deep orange color which extends right to center. The tops are just right for bunching. This is the variety that comes into our markets from California. **Pkt. 10c, oz. 15c, ¼ lb. 40c, lb. $1.25.**

Chantenay, or Pride of the Market

IMPROVED LONG ORANGE

88 Days. The roots of the strain we offer are very deep orange, long and comparatively thick, often 12 inches in length, and 3 inches in diameter at the crown, tapering regularly to a point. Tops small for the size of the root. Suitable for table use as well as stock feeding, combining great productiveness with uniform shape and fine-grained, sweet flesh. **Pkt. 10c, oz. 15c, ¼ lb. 40c, lb. $.125.**

RED CORE CHANTENAY

72 Days. This is a distinct improvement over the well known Chantenay especially in color, texture, and quality of flesh and has been accepted with much enthusiasm particularly by shippers of fresh vegetables and by canners. Roots deep reddish-orange; 5½ to 6 inches long, 2¼ inches thick at the shoulder, tapered, core reddish-orange, almost the same color as the flesh and so inconspicuous as to make the term coreless seem appropriate; flesh fine grained and tender; of sweet, delicate flavor. **Pkt. 10c, oz. 15c, ¼ lb. 40c, lb. $1.25.**

EARLY SCARLET HORN

65 Days. Popular for early market. Tops small. Roots reddish-orange; 3 inches long, 1½ inches at the shoulder and tapered to about 1 inch thick at the blunt end; flesh reddish-orange, fine grained, sweet, and tender. **Pkt. 10c, oz. 15c, ¼ lb. 40c, lb. $1.25.**

CALIFORNIA BUNCHING

77 Days. Tops short, foliage rather coarsely cut and stems medium size and strong. Roots at maturity are 1½ by 8 inches in size, almost cylindrical, with rounded shoulders, and are well stumped. **Pkt. 10c, oz. 15c, ¼ lb. 40c, lb. $1.25.**

CAULIFLOWER

CULTURE.—For Spring and early Summer crop, sow in March or early in April in hotbed and transplant in cold frame when sufficiently large to handle. As soon as danger of hard freezing is over set in open ground in rows 2½ feet apart and 18 inches apart in the row. The plants will endure a light frost. The soil for Cauliflower should be like that for cabbage, but it is better if made richer. One ounce will produce 1,500 plants.

EXTRA EARLY SNOWBALL

57 Days. The best of the early maturing strains. The heads are of medium to large size, solid, compact and round. The curd is of fine texture. The plants are compact, with few outer leaves and are well suited for close planting. **Pkt. 25 and 50c, oz. $2.75.**

DRY WEATHER

65 Days. Dependable variety to plant at the same time as Early Snowball, the crop being ready when Snowball has been harvested; one of the most dependable in adverse, dry weather. Plants dwarf, short stemmed; heads large; 6 to 7 inches across, weighing as much as 2 lbs; white with tinge of cream; of splendid quality. **Pkt. 25 and 50c, oz. $2.75.**

CHIVES

This popular kitchen garden plant is indispensable for flavoring certain dishes. It imparts a mild onion taste, not, however, to such an extent as to render it objectionable. The plants are hardy and will last for years. Don't cut the plant too close when gathering. If desired for Winter use, lift the plant in a pot or box and place in a sunny window in the kitchen. **Pkt. 10c, oz 25c, ¼ lb. $1.25.**

CHICKORY

WITLOOF or FRENCH ENDIVE

Grown for its use as a salad, the blanched head resembling cos lettuce in appearance. Eaten raw or as a salad, also sometimes cooked like Endive. **Pkt. 10c, oz. 15c, ¼ lb. 35c, lb. $1.25.**

CORN SALAD

A favorite salad plant and very hardy. Sow in August or September, and protect with leaves during Winter. It can be gathered in the Spring very early. Sown in April, it is soon ready for use. The leaves are sometimes boiled and served as spinach. Three ounces of seed to 100 feet of row. **Pkt. 10c, oz. 15c, ¼ lb. 35c, lb. $1.25.**

CHERVIL

An aromatic plant, used extensively in Europe as a salad seasoner. It adds a flavor that is entirely its own. When chopped fine and scattered on buttered potatoes it is a rare treat. Sow it in a row like parsley, which it somewhat resembles. For a continuous crop, sow every 2 weeks.

One ounce will sow a row 25 feet long.

Pkt. 10c, oz. 15c, ¼ lb. 35c.

Plants and Roots - Vegetable

We grow each year, thousands of vegetable plants of all kinds from our own seed stock and you will find each variety true to name. They are looked after with the utmost care, and in shipping are packed in moss, in strong cases, so we can guarantee safe delivery to our customers. Our list includes the following:

CABBAGE (Frost-proof)

These are not grown by us, but are shipped direct from the Southern growers. Ready for shipment in March and April.

EARLY JERSEY WAKEFIELD
CHARLESTON WAKEFIELD ALL HEAD EARLY
GOLDEN ACRE COPENHAGEN MARKET
35c per hundred. $1.50 per thousand.

CABBAGE (Ready in May and June)

HOME GROWN

In addition to the above mentioned varieties, we can supply:

SUCCESSION ALL SEASONS DRUMHEAD SAVOY
PREMIUM LATE FLAT DUTCH
50c per hundred. $2.00 per thousand.

CAULIFLOWER (Ready in April)

EXTRA EARLY SNOWBALL
25c per dozen. $1.50 per hundred.

CELERY (Ready in July)

GOLDEN SELF BLANCHING WINTER QUEEN
WHITE PLUME GOLDEN PLUME GIANT PASCAL
75c per hundred. $5.00 per thousand.

EGGPLANT (Ready in May and June)

BLACK BEAUTY
POT GROWN PLANTS.—5c each, 50c per dozen, $4.50 per hundred.
DRAWN PLANTS.—20c per dozen, $1.00 per hundred.

LETTUCE—All Varieties (Ready in April, May, September and October)

50c per hundred. $3.50 per thousand.

PEPPER (Ready in May and June)

BULL NOSE CALIFORNIA WONDER CHINESE GIANT
POT GROWN.—5c each, 50c per dozen.
DRAWN PLANTS.—15c per dozen, $1.00 per hundred.

SWEET POTATO PLANTS (Ready in May and June)

BIG STEM JERSEYS
60c per hundred. $3.00 per thousand.

TOMATO

MARGLOBE BONNY BEST NEW EARLY RED
NEW STONE WILTPROOF
GREATER BALTIMORE SCARLET TOPPER
HOT BED PLANTS.—Ready in April and May. **75c per hundred, $4.00 per thousand.**
FIELD GROWN PLANTS.—Ready in June and July. **50c per hundred, $3.00 per thousand,**

RHUBARB ROOTS

10c each. $1.00 per dozen.

HORSE RADISH ROOTS

MALINER KREN
25c per dozen. $1.25 per hundred.

STRAWBERRY PLANTS

From September to May

We can supply all the leading varieties such as Big Joe, Chesapeake, Premier, Dorsett, Lupton, Wm. Belt, Etc.

NOTICE.—Plants will not be forwarded C. O. D. Plants are not quoted by express prepaid; the customer pays express charges, and unless otherwise instructed, plants will be forwarded by express. **Cash must accompany all orders for plants.** If plants are wanted sent by Parcel Post, add 10c per hundred to above prices.

CELERY

CULTURE.—Sow in hotbeds in March or in open ground in April. See that no weeds infest the seed bed. When 3 inches high transplant in a bed outdoors in rows 3 inches apart each way; let them remain here until July, when they should be planted where they are to mature, in rows 3 feet apart, 6 inches apart in the row. One ounce of seed will produce 2,000 plants.

Golden Self Blanching

GOLDEN SELF BLANCHING

120 Days. This is undoubtedly the most popular variety for the market gardener and also the home garden. It is unexcelled and absolutely reliable and our rapidly increasing trade is abundant evidence of its high quality. It is now the leading sort on all markets as an early Celery. For market use it is preferred to White Plume, because it does not wilt so soon, and its rich yellow color is very attractive. The stalks are heavier, of a fine nutty flavor, attains a good size, and it comes into market almost as soon as any other sort. It is of dwarf, compact habit and blanches readily. **Pkt. 10c, oz. 30c, ¼ lb. 90c, lb. $3.00.**

GOLDEN PLUME

115 Days. This variety comes in for use at Christmas, and keeps well into the Spring. Large heavy stalks and very nutty. The heart or inner stalks are a rich golden yellow. Easy to blanch, a good keeper and always of the crisp, brittle and nutty quality so much desired. **Pkt. 10c, oz. 25c, ¼ lb. 90c, lb. $3.00.**

WHITE PLUME

112 Days. It is the earliest Celery in cultivation. It is distinct from Golden Self-Blanching in being taller in growth, more slender in stalk, and branches to a pure snowy whiteness. It is a valuable market sort on account of its extreme earliness, but is not as good a keeper nor has it so fine a flavor as the Golden Self-Blanching. **Pkt. 10c, oz. 20c, ¼ lb. 60c, lb. $2.00.**

WINTER QUEEN

120 Days. A medium-tall, solid variety; will retain its qualities long through the Winter. The heart is very full and large. **Pkt. 10c, oz. 20c, ¼ lb. 60c, lb. $2.00.**

GIANT PASCAL

135 Days. A tall, late green celery of excellent quality. Leaf stalks thick and solid. Considered one of the very best for late winter market. **Pkt. 10c, oz. 20c, ¼ lb. 60c, lb. $2.00.**

EASY BLANCHING

125 Days. Excels in the qualities that give self-blancing celeries their value. It bleaches earlier and quicker than any of this class; it is the longest keeping variety grown (if put away green), excelling in this respect every other sort. **Pkt. 10c, oz. 20c, ¼ lb. 60c, lb. $2.00.**

EMPEROR

130 Days. A very special strain of late keeping Celery for Winter use. Of dwarf type averaging 18 inches in height, with thick white stalks and large, solid, pale yellow heart. Very crisp, with no stringiness, and of splendid flavor. **Pkt. 10c, oz. 20c, ¼ lb. 60c, lb. $2.00.**

CELERIAC

CULTURE.—Sow the seed at the same season and give the same treatment as Celery. Transplant to moist, rich soil, in rows 2 feet apart and 6 inches apart in row. It is not necessary to blanch the plants.

LARGE SMOOTH PRAGUE

This is the best and largest of the Celeriacs. Almost round, like a turnip, with very few roots. **Pkt. 10c, oz. 20c, ¼ lb. 60c, lb. $2,00.**

CELERY SEED (For Flavoring)

For use in sausage pickles, soups, etc. **¼ lb. 10c, lb. 30c.**

CELERY PLANTS

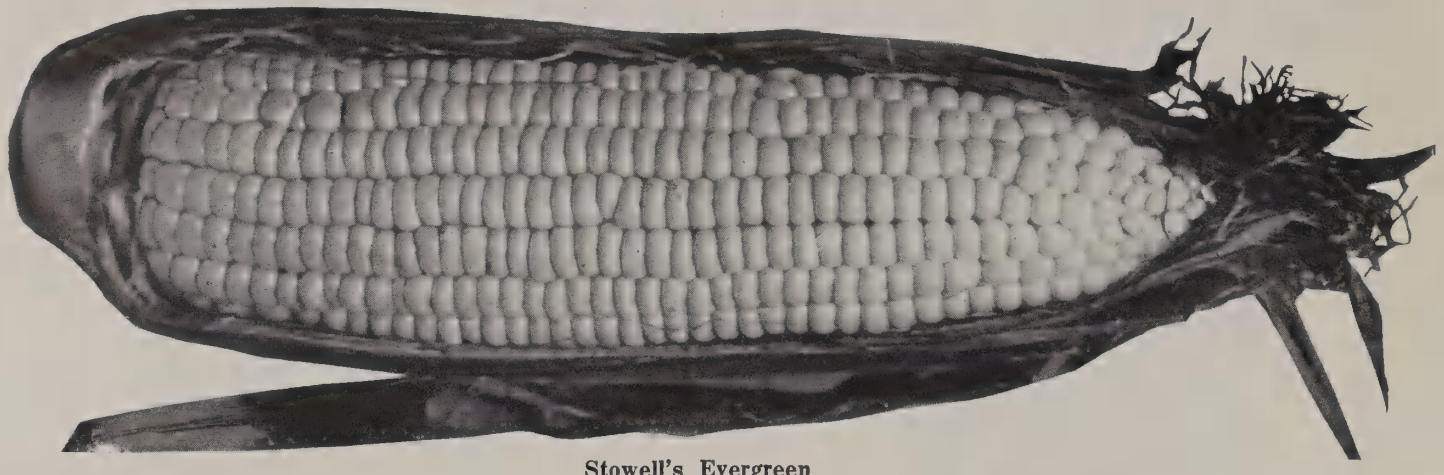
Can supply all the leading varieties, during July and August.

Per 100.....75c. Per 1,000.....$5.00.

If wanted by Parcel Post, add 15c per hundred for packing and parcel post.

SWEET or SUGAR CORN

CULTURE.—Sugar Corn can be raised on any good, ordinary soil if it is deeply and well worked before planting. Give frequent and thorough but shallow cultivation until the tassels appear. Plant in rows about 3 or 4 feet apart and about 3 feet apart in the row. Leave not more than 3 plants to the hill. It can be planted from first of May to last of July for a succession of crop. Sow about 8 quarts to an acre.



Stowell's Evergreen

EXTRA EARLY VARIETIES

(Not Sugar Corn)

ADAM'S EXTRA EARLY

65 to 70 Days. Pure white, medium-sized ears. Not a sugar corn. Planted extensively by market gardeners, as it matures in about 65 days after germination. **Pkt. 10c, pt. 15c, qt. 25c, pk. $1.25, bu. $4.25.**

NINETY-DAY (Red Cob)

This sort, while not a sugar corn, is planted almost exclusively as a table corn. It matures in 90 days, and if weather conditions are just right, will often he ready to cut in 80 to 85 days. Cob red, ears large, grain large, white. **Pkt. 10c, pt. 15c, qt. 25c, pk. $1.25, bu. $4.00.**

TRUCKER'S FAVORITE

75 Days. Extensively used for roasting ears; kernels white, fairly tender and moderately sweet. **Pkt. 10c, pt. 15c, qt. 25c, pk. $1.25, bu. $4.25.**

EARLY VARIETIES

WHIPPLE'S EARLY WHITE

87 Days. Grows a very large attractive ear, usually about 9 inches, of a creamy-white color. Sweet, tender and juicy. **Pkt. 10c, pt. 20c, qt. 35c, pk. $1.75, bu. $5.50.**

GOLDEN BANTAM

80 Days. The best and most favorably known of all the yellow varieties. Stalks often have 2 ears. Ears 10 or 12 rowed; kernels broad and of very fine flavor. **Pkt. 10c, pt. 20c, qt. 35c, pk. $1.75.**

EARLY CHAMPION

88 Days. An excellent second-early sort, ears 6 to 8 inches long, 12-rowed and kernels pure white; usually two ears to the stalk. **Pkt. 10c, pt. 25c. qt. 40c, pk. $1.75, bu. $6.00.**

HOWLING MOB

86 Days. A big-eared early corn with the sweet flavor of the late varieties; ears 7 to 9 inches long; usually two pearly white ears to the stalk; the shuck extends well over the tip and protects it from the green worm so destructive to early sweet corns. **Pkt. 10c, pt. 20c, qt. 35c, pk. $1.75, bu. $5.50.**

EARLY EVERGREEN

90 Days. A fine new sort; identical in flavor, shape and size of grain with Stowell's Evergreen, but about 10 days earlier. The ears grow about 9 inches long, are mostly 12-rowed, and remain tender a remarkably long time. **Pkt. 10c, pt. 20c, qt. 35c, pk. $1.75, bu. $5.50.**

LATE VARIETIES

WHITE EVERGREEN

95 Days. This is a high-bred white-type Stowell's Ever green. It has been developed by careful work, only the finest white-eared product being saved and selected each season. The stalks are of strong vigorous growth, 6 to 7 feet high. **Pkt. 10c, pt. 20c, qt. 35c, pk. $1.75, bu. $5.50.**

SELECT STOWELL'S EVERGREEN

95 Days. The most popular of all. If planted at the same time with earlier kinds will keep the table supplied until October. It is hardy and productive, very tender and sugary, remaining a long time in a fresh condition for cooking. In fact, it is so well known that it needs no further description. **Pkt. 10c, pt. 20c, qt. 35c, pk. $1.75, bu. $5.50.**

COUNTRY GENTLEMAN

93 Days. The ears are somewhat smaller and less showy than the coarser varieties but for private family use, where quality is preferred to size, it has no equal. The cob is very small, giving great depth to the grain. Matures about the same time as Stowell's Evergreen. **Pkt. 10c, pt. 20c, qt. 35c, pk. $1.75, bu. $5.50.**

HYBRID VARIETIES

The growing popularity of the Hybrids has proven that they are of better quality and bigger and more uniform yielders than the open pollinated types. The ears are better filled; often times two borne to the stalk. This is because of better root growth, sturdier stalks and greater disease resistance.

GOLDEN CROSS BANTAM—(Hybrid)

88 Days. Golden cross bantam is the most outstanding and best adapted hybrid sweet corn. **Pkt. 25c, pt. 35c, qt. 60c, pk. $3.00.**

HYBRID STOWELL'S EVERGREEN

95 Days. Larger ear and much more productive than the open Pollinated. **Pkt. 10c, pt. 35c, qt. 60c, pk. $3.75, bu. $13.00.**

CUCUMBER

CULTURE.—Cucumbers succeed best in rich loamy soil. As soon as the weather becomes warm and settled, plant in hills 4 to 6 feet apart each way, with 10 to 12 seeds in a hill; cover ½ inch deep. Air-slaked lime sprinkled on the plants every few days as soon as they are up will protect them from the striped beetle. When 3 or 4 inches high, thin out plants, leaving 3 or 4 of the strongest to each hill. The fruit should be picked when large enough, otherwise it destroys the productiveness. One ounce to 50 hills; 2 pounds per acre.

Longfellow or Straight Pack

LONGFELLOW or STRAIGHT PACK

70 Days. An excellent long, slender, dark green variety equally desirable for greenhouse forcing or out door culture. 12 to 14 inches long by 2¾ inches in diameter. **Pkt. 10c, oz. 20c, ¼ lb. 40c, lb. $1.25.**

KLONDIKE

63 Days. This is a true and distinct sort, not to be compared with the White Spine. It is earlier and has a much better appearance. It is one of the best for truckers as well as for the home garden. **Pkt. 10c, oz. 15c, ¼ lb. 35c, lb. 90c.**

CLARK'S SPECIAL

63 Days. An exceptionally good variety for shipping and for market gardeners. Holds its color and firmness when shipped long distances. Very dark green, handsome fruits, 8½ to 10 inches long, slightly tapered at both ends; flesh crisp and firm; remains edible for very long time; few seeds. **Pkt. 10c, oz. 15c, ¼ lb. 35c, lb. $1.00.**

IMPROVED LONG GREEN

70 Days. Of excellent quality, dark green, firm and crisp. Very popular with the market gardeners. A standard pickling sort. **Pkt. 10c, oz. 15c, ¼ lb. 30c, lb. 90c.**

A. AND C.

65 Days.—Of recent introduction. Uniform, nearly cylindrical, very dark green, well rounded at ends. For color, shape and production it is unexcelled. 9 to 11 inches long. **Pkt. 10c, oz. 20c, ¼ lb. 50c, lb. $1.50.**

STRAIGHT "8"

68 Days. Desirable for home and market gardens, also shipping. Fruit uniformly cylindrical, rounded at ends, medium green, quite free from light stripes. An attractive variety. **Pkt. 10c, oz. 15c, ¼ lb. 30c, lb. $1.00.**

CHICAGO PICKLING

58 Days. A very popular variety for pickling, also good for slicing. Very early and prolific, medium green, 6 to 6½ inches long, slightly tapered. **Pkt. 10c, oz. 15c, ¼ lb. 35c, lb. 90c.**

COLORADO

67 Days. A very commendable sort for this vicinity. Holds its deep green color very well. Excellent for shipping. **Pkt. 10c, oz. 20c, ¼ lb. 40c, lb. $1.25.**

EARLY FORTUNE

63 Days.—Early, very productive and disease-resistant; fruits nine inches long, slightly tapering; flesh white, very firm and crisp, with very few seeds; color rich, dark green. **Pkt. 10c, oz. 15c, ¼ lb. 30c, lb. 90c.**

DAVIS PERFECT

65 Days. A desirable mid-season variety for shipping. Fruits dark green, weigh 2 pounds, tapered at both ends; flesh crisp and of good quality. Matures in 58 days. **Pkt. 10c, oz. 15c, ¼ lb. 30c, lb. 90c.**

GHERKIN or BURR

60 Days. A very small, oval prickly fruited sort, quite distinct from all others and grown exclusively for pickles. **Pkt. 10c, oz. 20c, ¼ lb. 50c.**

EGG PLANT

CULTURE.—Eggplant seed germinates slowly and should be started in hotbed, for in this, as in all subtropical plants, it is of importance to secure a rapid and continuous growth from the first, the plants never recovering from a check received when young. When the plants have formed 2 rough leaves, transplant to 3 or 4 inches apart. When all danger, not only of frost, but from cold nights is past, harden off the plants by gradual exposure to the sun and air, and decreasing the supply of water; then transplant to the open ground setting the plants 2½ feet apart. One ounce will produce about 1,000 plants.

BLACK BEAUTY

120 Days. Fruits large, symmetrical in shape and uniformly of a rich dark purple color, which it holds an exceptionally long time, making the variety very desirable for the market. **Pkt. 10c, oz. 35c, ¼ lb. $1.00, lb. $3.50.**

ENDIVE

CULTURE.—Endive is an excellent Autumn and Winter salad. Sow seed late in the Spring, or even as late as July, in shallow drills, 15 inches apart, and when plants are strong thin out to about a foot apart. To blanch, gather up the outer leaves over the center of the plant and tie them together at their tips. Sow 1 ounce to 100 feet of drill.

DEEP HEART FRINGED

90 Days. 1940 All-America Bronze Medal Winner. In type it is between Full Heart Batavian and Green Curled, but more upright in growth than either. Leaf very deeply cut and curled. **Pkt. 10c, oz. 15c, ¼ lb. 40c, lb. $1.25.**

BROAD LEAF BATAVIAN (Escarolle)

90 Days.—Plant 16 inches in diameter; leaves toothed and twisted. Thick ribs form compact heart. **Pkt. 10c, oz. 15c, ¼ lb. 30c, lb. $1.00.**

GREEN CURLED

95 Days. The hardiest variety. The finely divided leaves are of a dark green color, giving it a mossy appearance; easily blanched to a fine white. **Pkt. 10c, oz. 15c, ¼ lb. 30c, lb. $1.00.**

FULL HEART BATAVIAN (Escarolle)

90 Days. A distinctly improved form of Broad Leaf Batavian. Plant medium large, with deep, full, compact, well-balanced heart of infolded broad leaves, thick and buttery in texture and of splendid quality. **Pkt. 10c, oz. 15c, ¼ lb. 30c, lb. $1.00.**

FENNEL—(Florence)

Valuable for home and market gardens. The plants grow quite bushy, about 3 feet high, with broad overlapping leaves forming a bulb-like root or vegetable at the base of the stem, which is frequently used as a celery, is sweet and aromatic. **Pkt. 10c, oz. 20c, ¼ lb. 50c, lb. $1.50.**

KOHL-RABI

CULTURE.—This is a favorite vegetable in Europe, where it is extensively grown for feeding cattle as well as for table use. The bulb is formed above the ground, and if used when young and tender, makes a most delicate dish for the table. One ounce will sow 150 feet of drill.

EARLIEST WHITE VIENNA

60 Days. Greenish-white outside, with clear white flesh within. Smooth short leaf; good for forcing fine quality. **Pkt. 10c, oz. 25c, ¼ lb. 75c, lb. $2.25.**

KALE

Extensively grown in this locality and also in the South during the Fall, Winter and Spring. The plant is more hardy than cabbage, and makes excellent greens for Winter and Spring use. The quality is improved rather than injured by frost. One ounce of seed will sow a drill of about 150 feet. Usually sown broadcast, 4 to 5 pounds per acre.

SIBERIAN CURLED

65 Days. A finely curled, spreading, low-growing variety. The leaves, when properly cooked, make a very palatable dish of greens. The plant is very hardy. The leaves are long and of an attractive, bright green color. **Oz. 10, ¼ lb. 25c, lb. 75c.**

SLOW-SEEDING SIBERIAN CURLED

65 Days. As its name implies, it is a long standing or slow seeding variety; being a decided improvement over the old Siberian Curled, in that it not only stands longer before going to seed but it is also more beautifully curled. It is a hardy, vigorous sort and will almost stand zero weather. **Pkt. 10c, oz. 15c, ¼ lb. 35c, lb. $1.00.**

SMOOTH LEAF or SPRING KALE

60 Days. A hardy, quick growing, smooth leaf variety. For succession, should be sown about every 10 days in order to have it young and tender. **Oz. 10c, ¼ lb. 15c, lb. 50c.**

LEEK

CULTURE.—Sow the seed and care for the young plants same as for onions, but they need a little more room. One ounce to 150 feet of row.

LARGE AMERICAN

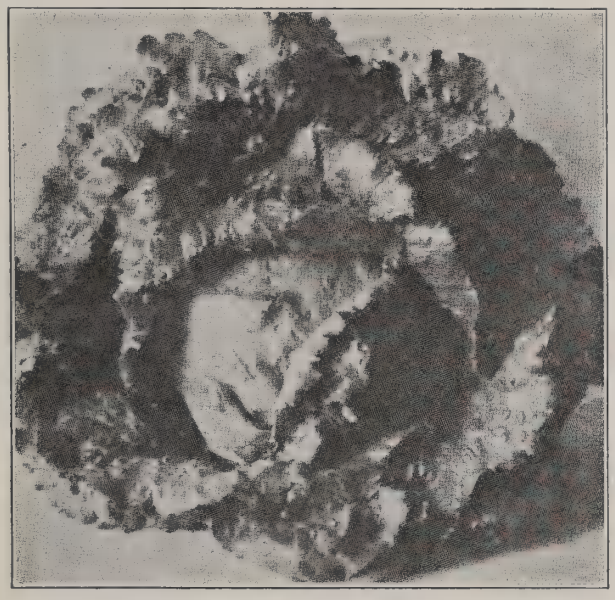
Produces a large, thick stem and of mild flavor. **Pkt. 10c, oz. 25c, ¼ lb. 75c, lb. $2.50.**

LONDON FLAG

One of the hardiest and best for Winter use. **Pkt. 10c oz. 25c, ¼ lb. 75c, lb. $2.50.**

LETTUCE

CULTURE.—Lettuce seed germinates very quickly and may be planted as soon as the ground is workable in the early Spring. The seed should be sown in rows about 18 inches apart, covering not more than ½ inch deep. The loose leaf type may be thinned to an inch or so apart as soon as a few leaves are formed, and when large enough for the table, they may be thinned as used. Lettuce to be at its best, should be grown as rapidly as possible; hence the soil should be made as rich and friable as possible by liberal manuring and thorough preparation. For Winter, sow under glass from November to February and thin out as necessary to prevent crowding. Keep a moderate heat and give all the light and air possible. One ounce will produce about 2,000 plants.



New York Lettuce

NEW YORK No. 515 IMPROVED

75 Days. An early variety well adapted to summer and early fall production; resistant to tip burn. Heads medium large, compact, attractive. **Pkt. 10c, oz. 25c, ¼ lb. 60c, lb. $2.00.**

NEW YORK No. 12

77 Days.—Plant and Head Lighter Green than New York, well adapted to mid-season maturity, as it stands the heat well. **Pkt. 10c, oz. 20c, ¼ lb. 50c, lb. $1.50.**

IMPERIAL No. 847

83 Days.—Resistant to brown blight, black seeded. Head hard and of fine quality. **Pkt. 10c, oz. 25c, ¼ lb. 75c, lb. $2.00.**

BIG BOSTON

75 Days—Popular for outdoor culture; also much in demand as a compact large-heading, forcing sort. **Pkt. 10c, oz. 15c, ¼ lb. 40c, lb. $1.25.**

NEW YORK or WONDERFUL

80 Days. The outstanding shipping variety, commonly called Iceberg by the produce trade. A large, globe shaped, curled, heading lettuce with dark green leaves of a very thick texture. Heads are well blanched, sweet and of excellent quality. The seed we offer is of a special strain and is noted for large size heads. **Pkt. 10c, oz. 20c, ¼ lb. 50c, lb. $1.50.**

WHITE BOSTON OR UNRIVALLED

76 Days. This new variety differs from the regular Big Boston as it does not have the red tinge on the edge of leaves. Suitable for planting in early Spring or Fall. Leaves are of a greenish white, very large handsome heads. **Pkt. 10c, oz. 20c, ¼ lb. 50c, lb. $1.50.**

ICEBERG

82 Days. Very popular market garden variety for this vicinity. Heads large, hard, crumpled, white inside, crisp **Pkt. 10c, oz. 20c, ¼ lb. 50c, lb. $1.50.**

MAY KING

63 Days. A handsome, extremely early, compact, cabbage or heading variety, forming very firm heads of medium size and excellent quality. Color light yellowish-green, tinged with reddish-brown when mature. Inner leaves blanch rich golden yellow; very tender and buttery. **Pkt. 10c, oz. 15c, ¼ lb. 30c, lb. $1.00.**

ROMAINE or PARIS WHITE COS

66 Days. Cos Lettuce is distinct in having long, narrow, spoonshaped leaves, folding into loose, sugar loaf-shaped heads, which blanch better by having the outer leaves drawn about them and tied. **Pkt. 10c, oz. 15c, ¼ lb. 30c, lb. $1.00**

GRAND RAPIDS

43 Days. The plant is upright and forms a loose cluster of large, thin, bright green leaves, savoyed, finely crimped at edges. The leaves do not wilt quickly after cutting so that the variety will stand shipping long distances better than most sorts. Very attractive and desirable for garnishing. **Pkt. 10c, oz. 15c, ¼ lb. 40c, lb. $1.25.**

SIMPSON'S EARLY CURLED

45 Days. Leaves light green, slightly frilled and much blistered, crisp, sweet and tender. Especially adapted for sowing thickly and cutting when the plants are young. **Pkt. 10c, oz. 15c, ¼ lb. 40c, lb. $1.25.**

ALL SEASONS

76 Days. One of the best year round lettuces suitable for planting in Spring, Summer, or Fall. Stand the heat well, Heads green, with inner leaves of golden yellow. **Pkt. 10c. oz. 15c, ¼ lb. 30c, lb. $1.00.**

MUSKMELONS or CANTALOUPES

CULTURE.—Plant the seeds in hills about 5 feet apart each way, dropping 8 to 10 seeds in a hill. After the plants are up about 3 inches, thin to 1 of the most vigorous plants in the hill. Plant after all danger of frost is passed. Select medium to light soil. One ounce will plant 50 hills, 2 pounds per acre.

EXTRA-EARLY KNIGHT

82 Days. Slightly larger than the "Rocky Ford," but more heavily netted. The seed cavity is small and flesh, which is green, thick and sweet, containing a high percentage of sugar. An important feature of this melon is its ability to withstand rust and blight, as it is nearly proof against either. **Pkt. 10c, oz. 15c, ¼ lb. 30c, lb. $1.00.**

THE BOTTOMLEY

84 Days. In quality it has no rival. From 7 to 8 days later than the Knight. The vine makes a very heavy growth, which makes it blight-resisting. Fruit very uniform in size, averaging about 7 inches in length from stem to blossom end. Very thickmeated, of a greenish color. Small seed cavity; thin rind, beautifully netted. Slightly pointed at the stem end and rather blunted at the blossom end. For shipping it is unexcelled. **Pkt. 10c, oz. 15c, ¼ lb. 35c, lb. $1.25.**

W. D. CO.'S LONG JOHN

90 Days. A large variety, longer than the Bottomley, hence, its name. Heavily netted, greenish flesh, flavor very sweet, very productive. Vines of vigorous growth and quite free of rust or blight. Grown from our own seed stock. We highly recommend this variety to the trucker. **Pkt. 10c, oz. 20c, ¼ lb. 35c. lb. $1.25.**

ROCKY FORD

92 Days. A comparatively small green fleshed melon of the oval type, and ideal for serving in halves. Strong and vigorous in its growth and an abundant yielder. **Pkt. 10c, oz. 15c, ¼ lb. 35c, lb. $1.00.**

HALE'S BEST

82 Days. A Salmon Fleshed Melon. Broad oval fruit, 6½ x 5½ inches. Densely covered with medium heavy netting and almost entirely without ribs. Extensively grown in California. Deliciously sweet and spicy. **Pkt. 10c, oz. 15c, ¼ lb. 35c, lb. $1.25.**

HONEY DEW

112 Days. The melon with an appropriate name. This now melon is unlike the ordinary Muskmelon or Cantaloupe, both in appearance and flavor, the outer skin being smooth hard and nearly white. The melons are large, round to oval in shape, extremely thick-meated and have a very small seed cavity; flesh is light green, very solid and of a rich honey-like flavor, luscious and juicy. Of good keeping qualities and a good shipper. **Pkt. 10c, oz. 15c, ¼ lb. 40c, lb. $1.50.**

MUSTARD

FORDHOOK FANCY

A handsome, vigorous growing, mild variety, standing a long time before going to seed; leaves dark green, beautifully curled and fringed; fine for salads and garnishings; seed reddish-brown. **Pkt. 10c, oz. 15c, ¼ lb. 20c, lb. 60c.**

SOUTHERN GIANT CURLED

Plant vigorous and hardy, of upright spreading growth; leaves large, light green-tinged yellow, much crumpled and frilled at the edges. The popular market variety in the South; seed small, dark reddish-brown. **Pkt. 10c, oz 15c, ¼ lb. 20c, lb. 60c.**

MUSHROOM SPAWN

Mushrooms can be grown in cellars, sheds, hotbeds and sometimes in the open air, the chief essentials being uniform degrees of temperature and moisture.

SPORE CULTURE

One brick will spawn 8 to 10 square feet.

1 Brick.....$ .35 5 Bricks..... 1.50 10 Bricks.....2.75

ONION

CULTURE.—A strong, deep, rich and loamy soil is most suitable for this crop. Muck beds well drained to the depth of 2 feet give large yields. A black sandy loam is also excellent. The ground should be heavily dressed with well-rotted manure and plowed a moderate depth, taking a narrow furrow in order to more thoroughly mix the manure with the soil; if possible, the plowing should be done in the Fall. As early in the Spring as the ground is in working order harrow it thoroughly and make as fine and level as possible; sow thinly in drills ¼ inch deep and 14 inches apart.

WHITE SILVERSKIN

100 Days. This is the most popular of all white Onions. The skin and flesh is a silvery white, mild flavor and flat shape. **Pkt. 10c, oz. 30c, ¼ lb. $1.00, lb. $3.00.**

PRIZETAKER

102 Days. Flavor very mild and delicate. A very handsome Onion, of the largest size, and nearly globular in form. Skin is yellowish-brown; flesh white. If started very early in hotbeds it will produce a mammoth Onion the first season. **Pkt. 10c, oz. 30c, ¼ lb. $1.00, lb. $3.00.**

YELLOW GLOBE DANVERS

112 Days. One of the most popular sorts for home or market gardens. Handsome, round, yellow Onion. A splendid keeper, and one that yields well. Can highly recommend this for growing either large or small Onions. **Pkt. 10c, oz. 30c, ¼ lb. 75c, lb. $2.50.**

LARGE RED WETHERSFIELD

100 Days. This is a well-known sort. A good yielder and an excellent keeper, and where red Onions are wanted there is none better. **Pkt. 10c, oz. 30c, ¼ lb. 75c, lb. $2.25.**

ONION SETS

To raise Onion Sets from seed, use good ground, prepared as for large Onions, and sow the seed very thick in broad drills, using 40 to 60 pounds per acre. If the seed is sown thin, the bulbs will not only be too large for sets, but will not be of the right shape, and if sown thick on poor land they will be necky and bottle-shaped. Onion seed sown for Sets may be sown somewhat later than if a crop of large bulb is desired.

It requires 12 to 15 bushels of Onion Sets to plant an acre.

PRICES:

WHITE SILVERSKIN

Qt. 15c, 2 qts. 25c, pk. 85c, bu. 32 lbs., $2.75.

YELLOW GLOBE DANVERS

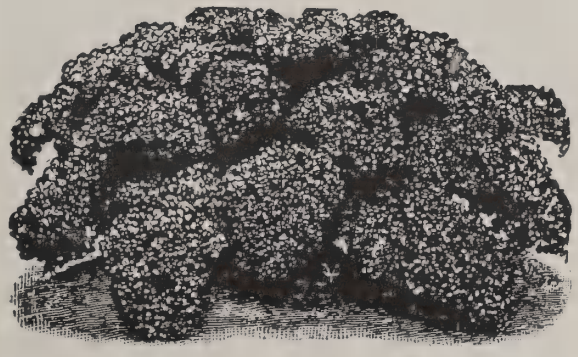
Qt. 15c, 2 qts. 25c, pk. 75c, bu. 32 lbs., $2.50.

JAPANESE OR YELLOW EBENEZER

Qt. 15c, 2 qts. 25c, pk. 75c, bu. 32 lbs., $2.75.

Write for prices on larger quantities.

PARSLEY



Parsley succeeds best on rich, mellow soil. The seed is very slow in germinating, and should be sown as early as possible in the Spring, in drills 1 to 2 feet apart, covering not more than ¾ inch with fine soil, firmly pressed down. When plants are well up thin to 4 inches apart in the row. When the plants of the curled varieties are about 3 inches high cut off all the leaves. The plant will then start a new growth of leaves, which will be brighter and better curled. Every cutting will result in improvement.

PARAMOUNT or TRIPLE CURLED

Handsomely crimped and curled; rich, deep green color. **Pkt. 10c, oz. 15c, ¼ lb. 25c, lb. 75c.**

CHAMPION MOSS CURLED

The most popular, owing to its vigorous, compact growth and its beautiful dark green, tightly curled leaves that closely resembles moss. It is unusually decorative for table use. **Pkt. 10c, oz. 15c, ¼ lb. 25c, lb. 75c.**

PLAIN or SINGLE LEAF

Leaves are not curled, as in the above varieties. **Pkt. 10c, oz. 15c, ¼ lb. 25c, lb. 75c.**

HAMBURG or ROOTED

The fleshy root resembles a parsnip and is used for flavoring soups, etc. **Pkt. 10c, oz 15c, ¼ lb. 25c, lb 75c.**

OKRA OR GUMBO

Cultivated for its young seed pods, which are used in soups, stews, catsups, etc. After danger of frost is past, the ground being warm and in good condition, plant in rows about 2½ feet apart, covering with about an inch of fine soil, firmly pressed down. When about 3 inches high thin to about 1 foot apart in the row. One ounce will sow a row of 100 feet.

DWARF PROLIFIC

50 Days. The pods are from 4 to 5 inches long and are very tender, slim and of a beautiful deep green color. **Oz. 10c, ¼ lb. 20c, lb. 50c.**

WHITE VELVET

60 Days. The pods are more smooth or free of ridges; tender and very light green, almost white. **Oz. 10c, ¼ lb. 20c, lb. 50c.**

PERKINS MAMMOTH OR TALL GREEN

56 Days. A medium early, productive sort. Pods bright, deep green, 7 to 8 inches long; slender, meaty, tapered and ribbed. A valuable market and canning variety. **Oz. 10c, ¼ lb. 20c, lb. 50c.**

WE WILL SEND BY PARCEL POST, PREPAID; as follows: SEEDS in Packages, Ounces, Quarter Pounds, Half Pounds, Pounds, Pints and Quarts; at prices quoted in this catalogue; if within second zone or 150 miles of Baltimore, Md.

Seeds in larger quantities, the purchaser pays transportation; if outside of our free delivery zone, which is to say; within a radius of 10 miles of Baltimore.

PEAS

CULTURE.—For early Peas the soil should be light and warm, but for general crop a moderately heavy soil is better. Fresh manure and very rich or wet, mucky soil should be avoided, as they cause a rank growth of vine at the cost of the quality of the Peas; such soil is often the cause of early sorts maturing unevenly. Sow as early as possible a few of some early variety on warm, quick soil, prepared the fall before. The general crop can be delayed until later, but we have met with better success from sowing all the varieties comparatively early, depending for succession upon selecting sorts that follow each other in maturity. The Peas will give quicker returns if covered only 1 inch deep, and where earliness is most important they may be treated in that way. Larger pods and more of them will be produced if the seed be planted in trenches 3 to 6 inches deep and covered with only 1 or 2 inches of soil. When the plants are 5 or 6 inches high fill the trench level with the surface; this will secure deep rooting, prevent mildew and prolong the bearing season. If the Peas be covered to the full depth at first, or if water be allowed to stand in trenches, they will not germinate or grow well.

EXTRA-EARLY VARIETIES

LARGE PODDED ALASKA

63 Days. Vines 2½ feet. The pods are well shaped and well filled, containing 6 to 8 Peas of a beautiful green color, both Peas and pods retaining their fresh green color longer after being picked than other kinds, this being a point of particular value when they are grown for shipping purposes. **Pt. 25c, qt. 40c, pk. $2.25, bu. $7.25.**

EXTRA EARLY ALASKA

60 Days. Vines 2½ feet. Seed small, smooth and bluish green in color. Unequaled evenness in growth of vine and early maturity of pods, which are filled with medium-sized, bright green Peas of good flavor. **Pt. 25c, qt. 40c, pk. $2.00, bu. $6.50.**

BOUNTIFUL

63 Days. Of recent introduction. Early and very prolific; vines of even growth and bearing any number of well-filled pods, which are of a light green color, containing 6 to 8 Peas to the pod. **Pt. 25c, qt. 40c, pk. $2.25, bu. $7.25.**

PEDIGREE EXTRA EARLY

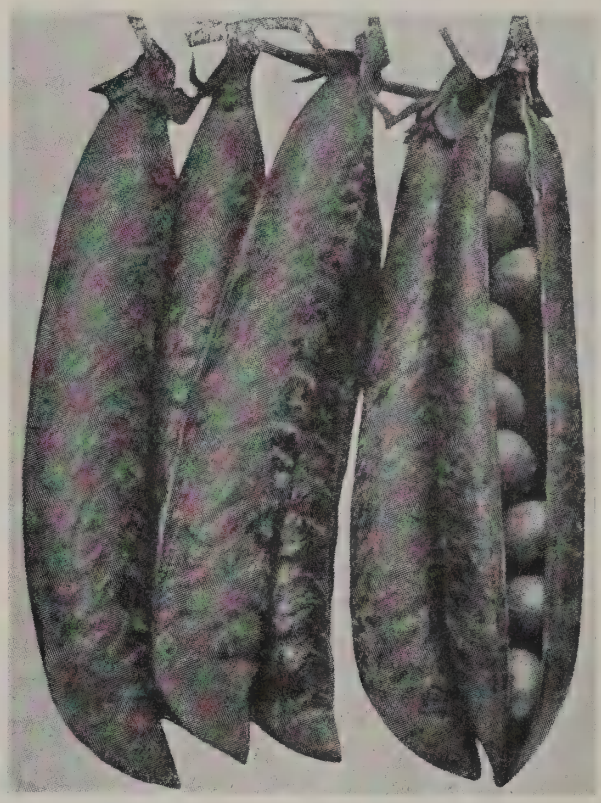
62 Days. A very popular sort with the trucker. Early as Alaska; large pods, white seeded, very prolific. All mature at one time and can be gathered in one picking. **Pt. 20c, qt. 35c, pk. $2.25, bu. $7.25,**

PROLIFIC EARLY MARKET

63 Days. It has proven to be the finest, largest and most prolific extra-early variety on the market. It is larger than the Alaska, a few days later and more prolific than any of the other sorts. Will always command a higher price in the markets because of its handsome and showy pods. It is just the Pea for the trucker and also the home garden. **Pt. 20c, qt. 35c, pk. $2.25, bu $7.25.**

EARLY BIRD

63 Days. A very early, large podded variety. Semi-wrinkled. Vines grow about 22 inches. Pods from 4 to 4½ inches long and pointed, with from 9 to 10 peas in the pod. Robust growth and a very heavy yielder. Can be sown with safety as soon as the ground can be worked. This is one of the best varieties for the market gardener and trucker. **Pt. 25c, qt. 40c, pk. $2.00, bu. $7.50.**



W. D. Co's, Early Bird

LARGE-PODDED SUGAR VARIETIES

THOMAS LAXTON

63 Days. Closely resembling Gradus in habit, rapidity of growth, earliness of foliage; 26 to 30 inches high, and much hardier in every respect than the Gradus. Pods 4 to 4½ inches long, round and well filled. **Pt. 25c, qt. 40c, pk. $2.25, bu. $7.50.**

GIANT-PODDED HAMPER

65 Days.—A very prolific and handsome, large-podded, second early variety for the trucker and home-garden, Large dark green pods, about 4½ to 5 inches long, filled with 7 or 8 large peas, seed large wrinkled, vines about 22 inches. **Pkt. 10c, pt. 25c, qt. 40c, pk. $2.50, bu. (56 lbs.) $8.00.**

NOTT'S EXCELSIOR

62 Days. Resembling Gems in habit, but more dwarf and uniform in growth. Height 12 to 17 inches, with rather light foliage. Pods are light in color, round, about 2½ inches long, blunt at the ends. Seed green, wrinkled, medium in size and square at the ends. **Pt. 25c, qt. 40c, pk. $2.25, bu. $7.25.**

GRADUS, or PROSPERITY

65 Days. A large, wrinkled, early Pea, with a pod nearly as long as the Telephone; tender and of good quality and flavor. Very quick to germinate and mature with the other sorts. This Pea will not stand adverse conditions, however, as well as some of the other sorts, and seed must be planted after all danger of frost has passed. **Pt. 25c, qt. 40c, pk. $2.25, bu. $7.75.**

PREMIUM GEMS

64 Days. Strong and vigorous in growth. Height about 15 inches; dark foliage, bearing pods on both sides of the stalk, beginning hear the ground. Pods light in color and blunt at the ends. Seed is green, wrinkled and medium in size. **Pt. 25c, qt. 40c, pk. $2.25, bu. $7.50.**

LAXTON'S PROGRESS

62 Days. The largest podded and most attractive of the Laxtonian Family. Popular for shipping, also for home and market gardens. **Pt. 25c, qt. 40c, Pk. $2.25, bu. $7.50.**

DWARF TELEPHONE OR DAISY

79 Days. Vines 18 to 26 inches high, with rather coarse foliage; medium light green, bearing pods broad, straight and about 4 inches long. Pale green in color and well filled with peas of excellent flavor. Seed pale green, large, much wrinkled. **Pt. 25c, qt. 40c, pk. $2.25, bu. $7.75.**

SUTTON'S PIONEER

63 Days. It is a first-early sort and very prolific. The large, handsome pods being packed with plump, tender, rich-flavored peas. Vines reach a height of 2 feet, are very strong and do not need support unless the soil is very rich. **Pt. 25c, qt. 40c, pk. $2.25, bu. $7.50.**

WORLD'S RECORD

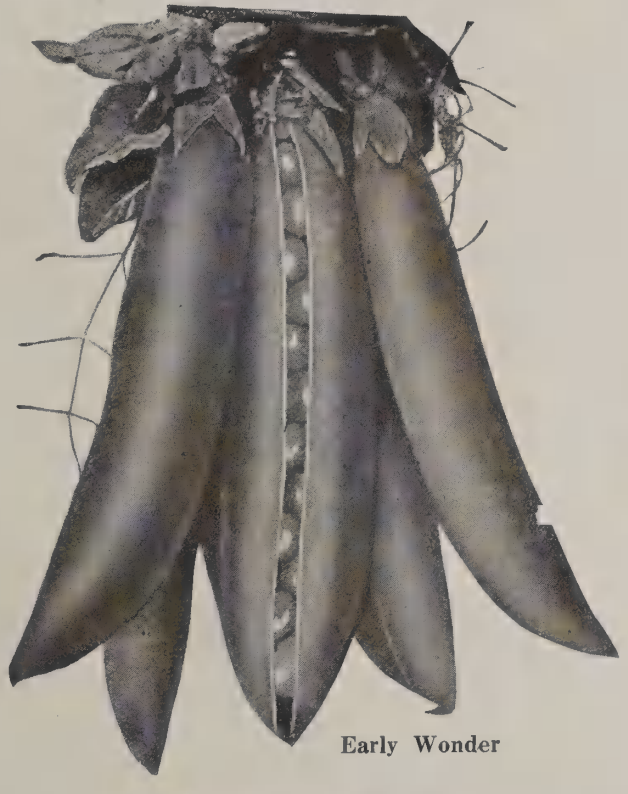
61 Days. This is of the Gradus type, being an improvement, in that it is earlier and more prolific; maintaining the same fine flavor. **Pt. 25c, qt. 40c, pk. $2.25, bu. $7.75.**

STRATAGEM

79 Days. A vigorous, hardy and luxuriant vine, bearing large pods, containing Peas of excellent quality. A heavy cropper, but it has a tendency to sport. Vines 20 inches. Foliage dark green. Pods 3½ inches long, straight, broad-pointed, gray-green in color. Seed very large, green wrinkled. **Pt. 25c, qt. 40c, pk. $2.25, bu. $7.50.**

EVERBEARING

76 Days. Vigorous, and bracing in habit of growth. Height 2½ to 3 feet. Pods 2¾ to 3 inches long, broad, light-colored and blunt. Seed green, wrinkled and large in size. **Pt. 25c, qt. 40c, pk. $2.25, bu. $7.25.**



Early Wonder

CHAMPION OF ENGLAND

82 Days. Strong and vigorous in growth, 42 to 50 inches in height. Foliage medium green. Pods 2½ to 3 inches long, blunt, medium dark green in color. Seed large, green and very much wrinkled. **Pt. 25c, qt. 40c, pk. $2.25, bu. $7.50.**

PRIDE OF THE MARKET

65 Days. Of fine growth and general appearance, both vine and pod, and closely resembles the Stratagem, except that the vine is not quite so long and the pods are deeper green in color. The vine is 20 inches high. Foliage dark green color. Pods are 3½ inches long, broad and dark in color. Seed blue, slightly dented and large. **Pt. 25c, qt. 40c, pk. $2.25, bu. $7.50.**

INOCULATE ALL LEGUME SEEDS WITH

NITRAGIN

OVER FORTY YEARS OF SERVICE

When ordering, Always state name of seed.

ALFALFA, all Clovers

Size	Retail
½ bu. each	$ .30
1 bu. each	.50
2½ bu. each	1.00

PEAS (All Varieties)
VETCHES (All Varieties)

½ bu. each	$ .25
1 bu. each	.40
1⅔ bu. each	.60
5 bu. each	1.70
12½ bu. each	4.00

BEANS
String, Wax, Kidney

½ bu. each	$ .25
1 bu. each	.40
5 bu. each	1.70

LESPEDEZA

Size	Retail
1 bu. each	$ .30
2 bu. each	.50
5 bu. each	1.00

SOYBEANS, LIMA BEANS, COW PEAS, PEANUTS

1 bu. each	$ .30
2 bu. each	.50
5 bu. each	1.00
10 bu. each	1.40
25 bu. each	2.90

GARDEN SIZE
Garden Peas & Beans
Sweet Peas & Lupines
Enough for 6 lbs. seed
Retail Price 10c each

DARK PODDED TELEPHONE

74 Days. Vines and leaves large and coarse. Foliage light green in color. Height 60 to 63 inches. Pods 4½ inches long, broad, pointed and medium in color. Seed large, green and wrinkled. **Pt. 25c, qt. 40c, pk. $2.25, bu. $7.50.**

LAXTONIAN

62 Days. Vine 1½ feet in height, with dark green foliage. Large, curved, dark green pods, pointed at the ends. Seed green, wrinkled, large-sized. **Pt. 25c, qt. 40c, pk. $2.25, bu. $7.75.**

HUNDREDFOLD

63 Days. A very attractive, early, large podded sort. Vine very dark green, stout; pods a very deep green, pointed, curved; 8 large peas to pod. **Pt. 25c, qt. 40c, pk. $2.25, bu. $7.50.**

BLUE BANTAM

64 Days. An exceptionally dark green strain of Laxtonion, maturing about two days later. **Pt. 25c, qt. 40c, pk. $2.25, bu. $7.50.**

EARLY WONDER

63 Days. A medium early variety of exceptionally good quality. Pods are a bluish-green color, about 4 inches to 5 inches long, filled with 4 to 5 large, dark green peas. Height of vines about 40 inches with dark green foliage of vigorous growth. As this is a hardy sort it can be planted earlier than the other varieties. **Pt. 25c, qt. 40c, pk. $2.25, bu $7.50.**

RAMSHORN BLACKEYE PEAS

Makes green peas in about 68 days; dry peas in 80 days. Very palatable in soups or stews. **Pt. 15c, qt. 25c, pk. $1.50.**

EDIBLE POD PEAS

MAMMOTH MELTING SUGAR

75 Days.—May be used as a shell pea as well as a edible pod pea, and is equal to the sweetest wrinkled variety. **Pt. 30c, qt. 50c, pk. $3.00.**

PARSNIP

Improved Hollow Crown or Guernsey

CULTURE—Parsnips are usually grown on deep rich, sandy soil, but will make good roots on any soil which is deep, mellow and moderately rich. Fresh manure is apt to make the roots coarse and ill-shaped. As the seed is sometimes slow and uneven in growth, it should be sown as early as possible in drills 2½ feet apart; cover ½ inch deep and press the soil firmly over the seed. Give frequent cultivation and thin the plants to 6 inches apart in the row.

IMPROVED HOLLOW CROWN or GUERNSEY

95 Days. An excellent variety for the table. Roots long, with smooth white skin, uniform in shape, tender and of the best quality. The variety is easily distinguished by the leaves growing from the depression on top or crown of the root. **Pkt. 10c, oz. 15c, ¼ lb. 25c, lb. 75c.**

PUMPKIN

CULTURE.—Pumpkins are not so particular in regard to soil as Melons or Cucumbers, but are cultivated much the same. Plant seed about 10 feet apart, in hills, dropping about 10 seed to a hill. When plants are well started, thin to 3 plants to each hill. To plant in corn place seed about every third or fourth hill after the last working.

WINTER LUXURY

100 Days. This is one of the best pie Pumpkins in existence, and its Winter-keeping qualities are almost unequaled. Is slightly oval in shape and of medium size. Evenly and finely netted, and is a yellowish russet color. The flesh is very tender, sweet and rich golden in color. A great producer. **Pkt. 10c, oz. 15c, ¼ lb. 25c, lb. 75c.**

SWEET POTATO PUMPKIN

110 Days. This is without doubt the best for table use, resembling somewhat the Cushaw, but much prettier in color. A handsome green and white striped. Flesh yellow, solid, fine-grained and a delicious flavor. **Pkt. 10c, oz. 15c, ¼ lb. 35c, lb. $1.00.**

KING OF THE MAMMOTH

120 Days. The giant among pumpkins; specimens have been grown to weigh 60 pounds and reaching two feet or more in diameter; fruit round and flattened, slightly ribbed; skin salmon-orange, flesh bright yellow and very thick. **Pkt. 10c, oz. 15c, ¼ lb. 25c, lb. 75c.**

CUSHAW or CROOKNECK

112 Days. An old standard variety, which is very long yellow crook-neck, fine-grained, yellow flesh, very solid. **Pkt. 10c, oz. 15c, ¼ lb. 25c, lb. 75c.**

CONNECTICUT FIELD

118 Days. Usually planted for feeding stock. So well known that it needs no description. **Oz. 10c, ¼ lb. 20c, lb. 60c.**

PEPPER

CULTURE.—Peppers are most largely used for seasoning meat and vegetable dishes, also for making chow-chow and Chili sauce. The culture is the same as for Eggplant and the plants need quite as much heat to perfect them. Sow seed early in hotbed, or about middle of Spring in open seed bed, the soil being light and warm. When 3 inches high transplant in rows about 2½ feet apart and 2 feet apart in the row. Cultivate and keep free from weeds. Guano, hen dung or any other bird manure hoed into the surface soil when the plants are about 6 inches high will undoubtedly increase the product.

CALIFORNIA WONDER

75 Days.—Resembles Chinese Giant in the large size and blocky form of its fruit, but having an extremely thick, mild, sweet flesh not possessed by that variety. **Pkt. 10c, oz. 40c, ¼ lb. $1.00, lb. $3.50.**

CHINESE GIANT

80 Days.—The fruits of this variety are of monstrous size. The shape is more blocky than Ruby King. **Pkt. 10c, oz. 40c, ¼ lb. $1.25, lb. $4.00.**

BULL NOSE—SWEET

62 Days.—The fruits are large, with thick, mild flesh of excellent quality. **Pkt. 10c, oz. 25c, ¼ lb. 90c, lb. $3.00.**

WORLD BEATER

75 Days.—Particularly popular in the South and a good shipper. **Pkt. 10c, oz. 30c, ¼ lb. 75c, lb. $2.75.**

RUBY KING

75 Days.—Fruits tapering, large, sweet; very productive. **Pkt. 10c, oz. 30c, ¼ lb. 75c, lb. $2.75.**

HOT PEPPERS

LONG CAYENNE

70 Days.—Fruits about 5 inches long, frequently twisted; very pungent. **Pkt. 10c, oz. 25c, ¼ lb. 75c.**

LARGE BELL OR BULL NOSE

64 Days.—Early, thick, fleshy, hot variety. **Pkt. 10c, oz. 25c, ¼ lb. 75c.**

RED CHERRY

82 Days.—Fruits round, smooth, solid, popular for use in pickles. **Pkt. 10c, oz. 60c.**

RED CHILI

82 Days.—Fruits erect, conical, extremely pungent; used in making pepper sauce. **Pkt. 10c, oz. 50c.**

RADISH

CULTURE.—For open-ground culture sow on rich sandy soil as soon in the Spring as it is fit to work, in drills 12 to 18 inches apart, and thin out the plants to prevent crowding. A good dressing of nitrate of soda will greatly stimulate growth and insure tender, brittle roots. Successional sowing from 1 week to 10 days apart will keep up a supply. After the hot weather of Summer begins, it is better to sow the Summer and Winter varieties, as they do not become tough and stringy nor pithy so quickly as the earlier sorts. One ounce of seed to 100 feet of drill.

W.-D. CO.'S EXTRA EARLY SCARLET GLOBE

SPECIAL STRAIN (Grown from Transplanted Stock). 24 Days. A very desirable sort for hotbed forcing and for planting in the open ground. Very early, flavor mild, crisp and tender. Will stand heat without becoming pithy. Bright scarlet and of handsome shape. Our special strain is American grown and is selected with the greatest care as to the size of tops in order to have them just the right length for bunching. **Pkt. 10c, ¼ lb. 20c, lb. 60c, 10 lbs. $5.50.**

Extra Early Scarlet Globe

SCARLET TURNIP, WHITE TIPPED

26 Days. A good forcing variety, small size and very attractive being a handsome bright scarlet with white tip. Very early and of good quality. **Pkt. 10c, oz. 15c, ¼ lb. 20c, lb. 60c.**

ICICLE

27 Days. A very attractive, pure white Radish; the earliest of the long white Summer sorts and of most excellent quality. The roots are somewhat shorter, with smaller tops than the long White Vienna, and matures a little earlier. One of the most desirable varieties for outdoor Summer planting. It is also adapted for forcing. **Pkt. 10c, oz. 15c, ¼ lb. 20c, lb. 60c.**

FRENCH BREAKFAST

25 Days. Very rapid grower; mild and tender; beautiful scarlet color, white-tipped; oblong shape. **Pkt. 10c, oz. 15c, ¼ lb. 25c, lb. 75c.**

EARLY LONG SCARLET

27 Days. This is a standard, most excellent sort either for the home garden or the market. Tops short and comparatively small. Roots smooth, slender, uniform in shape and a very attractive bright red in color. They continue crisp until fully matured, when they are about 6 inches long. **Pkt. 10c, ¼ lb. 20c, lb. 60c.**

MODEL WHITE BOX

28 Days. Of quick growth; roots round, pure white; tails very thin, leaves short; flavor excellent. Fine for forcing and open ground. **Pkt. 10c, oz. 15c, ¼ lb. 20c, lb. 60c.**

WHITE STUTTGART

42 Days. A Summer variety. Grows to an immense size; white flesh, very crisp and tender; of good flavor and a good keeper. **Pkt. 10c, oz. 15c, ¼ lb. 20c, lb. 60c.**

SPARKLER

26 Days. Similar to Scarlet Turnip White Tipped, but with larger white area. Roots round and smooth; flesh white, crisp, and tender. **Pkt. 10c, ¼ lb. 20c, lb. 60c.**

CRIMSON GIANT

28 Days. Roots large, deep crimson in color. The white flesh holds its color well, and is of superior quality. **Pkt. 10c, ¼ lb. 20c, lb. 60c.**

WHITE STRASBURG

Even when comparatively small this variety is in good condition for use, and continues crisp until matured, when the roots are 4 to 6 inches long by 1½ to 2 inches in diameter. This is considered one of the best large white Summer sorts. The roots remain in condition for use much longer than the early varieties. **Pkt. 10c, ¼ lb. 20c, lb. 60c, 10 lbs. $5.50.**

White Strasburg

WINTER VARIETIES

WHITE CHINESE or CELESTIAL

60 Days. Roots long, cylindrical, with beautiful white skin and flesh; the whitest and usually the least pungent of the Winter varieties. Flesh compact and crisp. **Pkt. 10c, oz. 15c, ¼ lb. 25c, lb. 75.**

CHINESE ROSE

60 Days. Roots 4 to 6 inches long, 2 inches in diameter, cylindrical, but thicker at the lower end; blunt, smooth, bright rose-red in color; flesh white, very firm, and pungent. **Pkt. 10c, ¼ lb. 20c, lb. 60c.**

LONG BLACK SPANISH

55 Days. One of the latest and hardiest long Radishes, especially adapted for Winter variety. **Pkt. 10 , oz. 15c, ¼ lb. 25c, lb. 75c.**

ROUND BLACK SPANISH

56 Days. Round, sometimes slightly top-shaped. Skin black; flesh white. Keeps well through the Winter. **Pkt. 10c, oz. 15c, ¼ lb. 25c, lb. 75c.**

RHUBARB

Rhubarb plants grown from seed will not all come true, but growing them this way costs less, and the undesirable plants can be discarded. They are quickly and easily grown. Sow seed in rows an inch deep and thin the plants to 6 inches apart. In the fall transplant to a permanent location, setting the plants 3 or 4 feet apart. The stalks should not be taken for use the first year.

In planting from roots, set them so that the crowns are 2 inches under the surface of the soil. They should be set 3 to 6 feet apart and given a liberal dressing of manure each spring. When blossom stalks appear, they should be cut well back to the ground. If possible choose a place where the soil will be continuously moist.

VICTORIA

A hardy and excellent sort for both the home garden and the market gardener. **Pkt. 10c, oz. 15c, ¼ lb. 50c, lb. $1.50.**

RHUBARB ROOTS (Victoria). To save time and be sure of a crop, it is advisable to plant the roots. **Each 10c, per dozen $1.00. Per Hundred $8.00.**

SALSIFY or OYSTER PLANT

Mammoth Sandwich Island

CULTURE.—Seed should be sown in early Spring in light, rich soil, in drills 14 inches apart, and thin to 6 inches in the row. The roots are perfectly hardy and many remain out all Winter.

MAMMOTH SANDWICH ISLAND

This variety is large and strong, growing with long, smooth, white, tapering roots, and is less liable to branch than the other sorts. Tops grassy. It is invaluable for market gardeners' use. **Pkt. 10c, oz. 20c, ¼ lb. 50c, lb. $1.50.**

SORREL

CULTURE.—Sow in drills early in Spring, thin out to 6 to 8 inches apart in the row. Commence cutting about 2 months after planting. Sorrel is hardy, will continue to bear for three or four years. One ounce will sow 100 feet of drill.

LARGE LEAVED FRENCH

The best garden variety, having large pale green leaves of fine quality, resembling spinach, only not so broad. Perfectly hardy, can be cut five or six times. **Pkt. 10c, oz. 20c, ¼ lb. 50c, lb. $1.50**

SWISS CHARD or SPINACH BEET

Plant the seed about the same as beet seed; in rows about 12 to 18 inches apart, when the plants are large enough, thin out to about 6 to 8 inches in the row. One ounce of seed to 100 feet of row.

GIANT LUCULLUS

50 to 60 Days. Large, smooth leaves with silvery white stems, which are tender and of fine flavor. **Pkt. 10c, oz. 15c, ¼ lb. 25c, lb. 75c.**

FORDHOOK GIANT

55 to 60 Days. A new variety with curled leaves like a Savoy cabbage. The plant grows nearly two feet high. The ribs are quite large, white, and of fine quality. **Pkt. 10c, oz. 15c, ¼ lb. 25c, lb. 75c.**

SWEET HERBS

Do not fail to include some or all of these most delicious and fragrant garden herbs in your order. They are easily grown and comparatively few housewives know of the delicious and appetizing flavors to be had by the addition to many dishes of one or more of the old-fashioned herbs.

CULTURE.—Sow the seed as early as the ground can be worked, in rows 16 to 18 inches apart. See that the soil is worked fine and pressed firmly over the seed. Thin the plants as soon as they are large enough.

ANISE

An annual, cultivated for its seed which are used as a condiment. The leaves are also used for garnishing.

CARAWAY

Grown for its seeds, which are used in cakes, confectionery, etc. The leaves are sometimes used for flavoring in soups and liquors. Plants do not seed till next year.

CORIANDER

A hardy annual, grown for its seed which has an agreeable taste and is used in confectionery and liquors.

DILL

An annual of aromatic odor and warm, pungent taste. Used for flavoring pickles and stews, being particularly desirable for use in cucumber pickles. **Pkt. 10c, oz. 15c. ¼ lb. 20c, lb. 75c.**

SWEET FENNEL

Biennial, the seeds of this aromatic herb have a pleasant taste. The blanched base of the stem, when cooked has a sweet taste, a delicate odor and somewhat resembles celery. The young shoots are sometimes eaten raw and are used in salads, soups, etc. **Pkt. 10c oz. 20c, ¼ lb. 60c.**

LAVENDER

A hardy perennial, growing about 2 feet high. It is used for the distillation of lavender water or is dried and used to perfume linen.

SWEET MARJORAM

An aromatic herb for seasoning. The tender tops and leaves are used green in Summer to flavor broths, dressings, etc.; they are also dried for Winter use. **Pkt. 10c, oz. 25c, ¼ lb. 75c.**

SAGE

(Broad Leaf.) This is the most extensively used of all the herbs. Hardy perennial, about 15 to 18 inches high. Used principally for flavoring and seasoning. Cut the leaves and tender shoots just before the plant comes into flower, and dry quickly in the shade. The plant will survive the Winter and may be divided. **Pkt. 10c, oz. 25c, ¼ lb. 75c.**

SUMMER SAVORY

A hardy aromatic annual, 12 to 15 inches high; the dried stems, leaves, and flowers of which are used for flavoring soups, dressings, stews, etc.

THYME

An aromatic perennial herb, used both medicinally and for seasoning. The young leaves and tips are for soups, stuffing and sauce, also a good tea for the relief of nervous headache can be made from the leaves. The leaves should be dried for Winter use. **Pkt. 10c, oz. 40c, ¼ lb. $1.50.**

NOTICE

Owing to conditions in the Netherlands where our Herb seed is grown, we are able to quote only on stocks which we have on hand.

SPINACH

CULTURE.—For early Summer use, sow as early in the Spring as the ground can be worked and for later use until April, after which time it runs to seed, except the New Zealand which is a Summer variety. For Winter use, sow from August to the middle of November. Spinach will not thrive on poor soil, therefore select a rich piece of soil, well fertilized. It is best to sow in drills 12 to 18 inches apart, 1 to 1½ inches deep. When the plants are well started they should be thinned out to about 6 to 8 inches apart in the row. Being of a delicate nature, it is sometimes difficult to get a good stand, this is particularly true if weather conditions are not favorable. 1 ounce to 100 feet of row, 12 to 20 pounds to the acre.

A Field of Our Bloomsdale Long Standing Savoy Spinach

RESELECTED BLOOMSDALE SAVOY

39 Days. A distinct improvement over the old Bloomsdale Savoy, in that it is extremely early, very hardy and withstands the Winter very well. The leaves are beautifully crumpled and blistered and free from pointed leaves; rich deep, glossy green; of splendid quality. A rapid grower; suitable for Fall or early Spring plantng. The seed we offer has been carefully reselected and rogued for all faulty plants. Seed round. **Oz. 10c, ¼ lb. 20c, lb. 60c.**

VIRGINIA BLIGHT RESISTANT SAVOY

39 Days. A Savoy-leaved sort, bred at the Virginia Experiment Station for blight resistance. Upstanding, vigorous plants, seeding rather early; highly desirable for plantning in infested soil. **Oz. 10c, ¼ lb. 25c, lb. 75c.**

NEW LONG STANDING BLOOMSDALE SAVOY

42 Days. In appearance quite similar to the Bloomsdale strain, may be of a little more compact growth, the leaves being more intensively green. Nearly as early as our Reselected Bloomsdale, and on account of nearly total absence of male plants it stands heat remarkably well. When other kinds have bolted to seed, it does not even show the least inclination to shoot and will stand up and remain in prime condition for at least two weeks longer. What this means to the market gardener may readily be seen. **Oz. 10c, ¼ lb. 25c, lb. 75c.**

PRINCESS JULIANA

48 Days. Compact habit, slow growing and very long standing. Leaves rounded, with short stems, thick, crumpled, very dark green; withstands warm weather, making it desirable for late planting. **Oz. 10c ¼ lb. 25c, lb. 75c.**

EXTRA DARK GREEN SAVOY

39 Days. Darker green than ordinary Bloomsdale varieties; stands 10 days longer before bolting to seed, is very crumpled and stands the heat better than the Bloomsdale varieties. **Oz. 10c, ¼ lb. 20c, lb. 60c.**

OLD DOMINION BLIGHT RESISTANT

40 Days. Of recent introduction. A cross between the blight resistant Savoy and King of Denmark, by the Virginia Experiment Station. We highly recommend it for early Spring planting, but not for Fall or mid-winter as it is a slow grower. Does remarkably well on disease infested soil. **Oz. 10c, ¼ lb. 25c, lb. 75c.**

SPECIAL SUMMER SAVOY

42 Days. Resembles in general appearance a fine strain of Long Standing Bloomsdale, except that it is a shade darker green and a trifle more curled. But its greatest advantage is the better suitability as a Summer Spinach—**Pkt. 10c, ¼ lb. 25c, lb. 75c.**

NEW ZEALAND

70 Days. Unlike true spinach; it is absolutely distinct in form and habit of growth. It is not a spinach, though used as such. The foliage is thick, succulent, dark green and never sunburns. The plant becomes very large and spreading, with comparatively small leaves; later in maturing than spinach of usual form, but remaining in edible condition ten times as long. A sort to "Cut and Come Again," as it is most productive. Can be grown successfully on rich or poor soil. Plant three or four seeds in hills two feet apart each way. **Pkt. 10c, oz. 15c, ¼ lb. 25c, lb. 75c.**

Eat Spinach For Health

SQUASH

CULTURE.—Squash plants are very tender and sensitive to cold, and so planting must be delayed until settled warm weather. General methods of culture are same as for Cucumbers and Melons, but Squash is less particular as to soil. Summer varieties should be planted 4 to 6 feet apart each way, and Winter sorts 8 to 10. Three plants are sufficient for a hill.

EARLY BUSH SCALLOP (Green Type)

53 Days. This is a very early Summer variety; fruit flattened and scalloped, about 8 inches in diameter. Comparatively smooth on the surface. Color white with a distinct greenish cast. Very prolific. **Pkt. 10c, oz. 15c, ¼ lb. 25c, lb. 75c.**

BLUE HUBBARD

110 Days. Has the general shape of the Hubbard squash family, but the outer shell is a bluish-green color and is comparatively smooth, though not entirely so. The flesh is a golden orange color, and cooks dry. Keeps well, as do all the Hubbards. **Pkt. 10 , oz. 15c, ¼ lb. 25c, lb. 90c.**

SUMMER CROOKNECK

55 Days. An old standard sort, early and productive. Fruits, when full grown are about 1 foot long, with uniformly crooked neck and surface densely warted. Color yellow. **Pkt. 10c, oz. 15c, ¼ lb. 30c, lb. $1.00.**

Boston Marrow Squash

BOSTON MARROW

97 Days. A very productive Fall and Winter variety of medium to large size, oval shape, skin thin. Orange color; flesh fine-grained and of excellent flavor. **Pkt. 10c, oz. 15c, ¼ lb. 20c, lb. 50c, 10 lbs. $3.00.**

HUBBARD

105 Days. Vines vigorous and very productive. Fruit heavy, moderately warted, with very hard shell. Skin a dark bronze-green. Flesh a bright orange-yellow, fine - grained, thick, dry and richly flavored. **Pkt. 10c, oz. 15c, ¼ lb. 25c, lb. $1.00.**

COCOZELLE or ITALIAN GREEN STRIPED

65 Days. Produces a good crop of practically straight Squash on a bush similar to Crookneck, but the leaves are somewhat different in appearance. When young dark green, afterwards light yellow. Excellent for slicing and frying like eggplant. **Pkt. 10c, oz. 20c, ¼ lb. 30c, lb. $1.00.**

TURNIP

CULTURE.—For Summer use sow early in Spring in light, rich soil, in drills 1½ feet apart, according to the size of the variety, and cover ½ inch deep, or sow broadcast, but in either case be sure to have the ground rich and freshly stirred. Thin early and keep free from weeds, so that the young plants will not be checked in growth. For Fall and Winter use sow the seed from middle of June to the first of August and in the manner given for Spring sowing. In the field Turnips are often sown broadcast at the rate of 1½ pounds to the acre.

PURPLE TOP WHITE GLOBE

(See cut.) 60 Days. This excellent table variety is globular in shape, of good size and very attractive in appearance. The roots are large, purple, or dark red above ground, white below. The flesh is fine-grained and tender. This sort keeps well for so early a variety and is one of the best for market use. **Pkt. 10c, ¼ lb. 15c, lb. 40c.**

EXTRA-EARLY PURPLE-TOP MILAN

42 Days. Very early, fine-grained white flesh. Flat and of good size. **Pkt. 10c, ¼ lb. 15c, lb. 40c.**

COW HORN or LONG WHITE

70 Days. This variety is clear white, except a little shade of green at the top of the root, which is long and carrot-like in form, slightly crooked and grows nearly half out of the ground. The flesh is fine-grained and well flavored, and for table use is in best condition when the roots are about 2 inches in diameter. **Pkt. 10c, ¼ lb. 15c, lb. 50c.**

YELLOW or AMBER GLOBE

76 Days. Very large, yellow-fleshed, fine-grained variety. Excellent for table use or feeding stock. **Pkt. 10c, ¼ lb. 20c, lb. 50c.**

SEVEN-TOP

Cultivated extensively for the tops, which are used for greens. In many sections it is a favorite feed for stock. **Pkt. 10c, ¼ lb. 15c, lb. 40c.**

YELLOW ABERDEEN

80 Days. Very hardy and productive, a good keeper; globe-shaped; color pale yellow, with purple top. Very firm in texture, and closely resembling the Rutabagas in good keeping qualities. Good either for table or stock. **Pkt. 10c, ¼ lb. 20c, lb. 50c.**

Rutabagas, or Swedes

LONG ISLAND or CANADIAN PURPLE TOP

87 Days. This variety is superior in many ways to that of the old Purple Top type, as it is larger and more smooth, neckless and of a fine round shape, bright yellow color, fine grain and sweet. Very firm and will keep longer and ship better than any other sort. **Pkt. 10c, oz. 15c, ¼ lb. 40c, lb. $1.25.**

AMERICAN IMPROVED PURPLE-TOP

88 Days. Yellow-fleshed. An improvement over the ordinary Purple-Top in that is has a smaller and much shorter top. Splendid for family use or feeding stock. **Pkt. 10c, oz. 15c, ¼ lb. 20c, lb. 50c.**

TOMATOES

Our Tomato Seeds are grown for us by growers of the highest integrity and subjected to a very rigid inspection and separated from the tomato by the proven disease control method, fermentation of the whole pulp. The greatest care is used that they shall be **true, pure** and **reliable.** Our stocks are well chosen single plant selections, line bred and the fields frequently, carefully and thoroughly rogued.

CULTURE.—Tomatoes do best on light warm, not over-rich soil, and success depends largely upon securing a rapid, vigorous and unchecked growth during the early part of the season. Sow in hotbeds from 6 to 8 weeks before they can be set out of doors, which is when danger from frost is past. When the plants have 4 leaves transplant into shallow boxes or cold frames, setting them 4 to 5 inches apart. Give plenty of air and endeavor to secure a vigorous but steady and healthy growth, so that at the time of setting in the open ground they will be strong and stocky. Even a slight check while the plants are small will materially diminish their productiveness. Set out of doors as soon as danger from frost is over, but before doing so harden off the plants by gradually exposing them to the night air and by the withdrawal of water until the wood becomes hard and the leaves thick and of a dark green color. Transplant carefully and cultivate well as long as the vines will permit.

W.-D. Co.'s "Improved Wisdom"

W. D. CO'S "IMPROVED WISDOM"

74 Days. Want a good Tomato? Well; here it is and it is from the original strain of our "Wisdom" which we introduced some years ago. We have improved this wonderful variety to such an extent that it is even more prolific than ever before, while still retaining its beautiful deep red color and shape that is so much desired; plants of the same healthy, vigorous growth as before and as nearly blight resistant as possible. Disease resistance, attractiveness of color, thickness of walls, and cropping qualities, have been attained to a high degree. We can highly recommend this "Improved Wisdom" to our most critical trade.

Pkt. 10c, oz. 50c, ¼ lb. $1.50, lb. $5.00.

BREAK O' DAY

70 Days. The fruit is of a beautiful red, meat very fleshy, few seeds, shaped very much similar to Marglobe, but earlier in some sections, having reached maturity three days later than the Earliana. Vines of a healthy vigorous growth. **Pkt. 10c, oz. 40c, ¼ lb. $1.00, lb. $3.25.**

EARLY BALTIMORE

72 Days.—A medium early variety with deep but flattened red Fruits. About a week to 10 days earlier than Greater Baltimore. Resistant to Fusarium wilt. Very productive, an excellent variety for the market gardener. **Pkt. 10c, oz. 50c, ¼ lb. 90c, lb. $3.50.**

JOHN BAER

70 Days. A second-early, scarlet-fruited variety. The fruit is round, medium sized, smooth and high crowned. Vine makes good, but not heavy growth. **Pkt. 10c, oz. 25c, ¼ lb. 85c, lb. $2.50.**

GREATER BALTIMORE

82 Days. A mid-season or main crop variety. Brilliant red color, vines sturdy and vigorous, very solid and firm. A good variety for canning or shipping. **Pkt. 10c, oz. 25c, ¼ lb. 60c, lb. $1.75.**

MARKET CHAMPION

85 Days. Of recent introduction. Vines large and hardy; fruit bright red, deep and slightly flat in shape. Ripens well up to the stem end. Very productive, main crop variety. A very good sort for the trucker and the market gardener. **Pkt. 10c, oz. 50c, ¼ lb. $1.00, lb. $3.25.**

GROTHEN'S GLOBE

68 Days.—Of recent introduction. An improvement over Break O'Day. The plants are smaller than those of Break O'Day, more compact, and darker green. The fruits are similar but are less subject to sun scald and are better colored. Well adapted for green wrap shipping. **Pkt. 10c, oz. 40c, ¼ lb. $1.25, lb. $4.00.**

RUTGER

72 Days. A splendid packing variety. Planted very extensively in the New Jersey trucking section with gratifying results. Vines of heavy growth and very productive, fruit a bright scarlet and inclined to be slightly flat. **Pkt. 10c, oz. 40c, ¼ lb. $1.00, lb. $3.00.**

IMPROVED NEW STONE

86 Days. One of the largest and most solid late, bright red varieties. Vine large, vigorous and very productive. Fruits deep scarlet, nearly round or slightly flat. Smooth and uniform in size. **Pkt. 10c, oz. 25c, ¼ lb. 60c, lb. $1.75.**

VICTOR

68 Days.—All America Winner.—Developed at Michigan State College 1939, and chosen as All American Selection 1941. A cross between a very early dwarf variety called All Red and the later but smoother and more productive variety Break O'Day. This new variety was obtained after several generations of selection for earliness, smoothness of fruit and productivity. Given a good soil and ample moisture will outyield any other early variety. **Pkt. 25c, oz. $1.00, ¼ lb. $3.00, lb. $10.00.**

The Number of Days Mentioned on This Page Are From Time of Plant Setting to Maturity.

TOMA TOES

W.-D. CO.'S NEW EARLY RED

70 Days. If you would have a bumper crop of quality tomatoes, you should plant the New Early Red. We do not hesitate in saying "IT IS THE BEST," and this is the sentiment of our customers who have planted this variety.

It is Early, as our trials have shown it to be much earlier than the Marglobe and ripened very soon after the Earliana.

It is Red. It is a brilliantly colored tomato, with the color evenly distributed to the stem end and through the flesh. Its beautiful red color has attracted attention and quite an interest by dealers, growers, canners and others. It is of the round type, which the canners desire. The plants are vigorous in growth, wilt-resistant, and although the foliage is sufficient to give the tomato protection it is not dense enough to interfere with proper coloring. During recent years the canning houses have been encouraging the growing of an early round red tomato, and this one has certainly met the requirements, as to earliness, color, shape and productivity, and produces a very low percentage of culls. **Pkt. 10c, oz. 50c, ¼ lb. $1.25, lb. $4.00.**

BONNY BEST

73 Days. About 10 days earlier than Chalk's Jewel, and nearly as early as Earliana. It is a strong vigorous grower, very prolific, heavy foliage, which acts as a protection from the hot sun. The fruit is round, red, with delicious flavor, very uniform in size and shape. **Pkt. 10c, oz 25c, ¼ lb. 75c, lb. $2.50.**

PRITCHARD or SCARLET TOPPER

73 Days. One of the late Dr. Pritchard's developments and introduced by the U. S. Department of Agriculture in 1931. A second early variety, a heavy yielder and of the type called self-topping or pruning. The fruit is of medium size, deep scarlet, globe shaped and solid. Its shipping qualities are unexcelled. **Pkt. 10c, oz. 40c, ¼ lb. $1.00, lb. $3.25.**

PENN STATE EARLIANA

66 Days. The earliest of all Tomatoes. Especially valuable for this season, being 10 days to 2 weeks earlier than any other sort. A bright red color; solid and very prolific. **Pkt. 10c, oz. 25c, ¼ lb. 75c, lb. $2.75.**

MARGLOBE

77 Days.—Fruit are well-sized, smooth, beautiful red color and of a very attractive appearance, globe shaped and almost coreless. Nationallu known for its good canning and shipping quality. **Pkt. 10c, oz. 50c, ¼ lb. $1.00, lb. $3.50.**

MY MARYLAND

73 Days.—A good medium-early sort and a heavy bearer. Excellent for truckers and market gardeners generally. A good packing variety. **Pkt. 10c, oz. 25c, ¼ lb. 60c, lb. $1.75.**

SCARLET DAWN

70 Days.—Fruit medium large with thick wall structure, globe shaped, free from flat sides, bright scarlet. **Pkt. 10c, oz. 45c, ¼ lb. $1.25, lb. $4.00.**

PONDEROSA

large, rather flat and inclined to roughness. Ponderosa is the largest, widely used pink tomato. **Pkt. 10c, oz. 50c, ¼ lb. $1.50, lb. $5.00.**

GOLDEN QUEEN

84 Days. A main crop, yellow-fruited variety. The fruit is of medium size, smooth and of mild flavor. **Pkt. 10c, oz. 40c, ¼ lb. $1.25.**

Small-Fruited Varieties

For Preserves, Pickles and Decorative Purposes

RED CHERRY

73 Days. Fruits are small and round, about the size of a cherry, color red. **Pkt. 10c, oz. 50c.**

RED PEAR-SHAPED

73 Days. The fruit is small and as the name would indicate are pear-shaped. **Pkt. 10c, oz. 50c.**

YELLOW PLUM

73 Days. Small yellow fruit, plum-shaped, that is of oval form. **Pkt. 10c, oz. 50c.**

PEAR-SHAPED YELLOW

73 Days. Fruit small, color yellow and pear-shaped. **Pkt. 10c, oz. 50c.**

Marglobe

The Number Of Days Mentioned On This Page Are From Time Of Plant Setting To Maturity

WATERMELON

CULTURE.—Watermelons require a rich sandy loam, which should be well worked. Put 10 to 12 seeds in a hill. When the plants have formed the first pair of rough leaves they should be thinned so as to leave 2 or 3 of the strongest and best to each hill. Make hills about 10 feet apart. One ounce of seed to 30 hills.

TOM WATSON

95 Days. This long, smooth melon is especially favored in the South. The rich green skin is faintly webbed with a veining of deeper green, covered with a fine netting, giving it a most attractive appearance. The flesh is of most superb quality and intensively red color. The rind is thin, but hard and rubbery, which makes it a splendid shipping sort. Vines hardy, vigorous and productive. **Pkt. 10c, oz. 15c, ¼ lb. 25c, lb. 75c.**

FLORIDA FAVORITE

80 Days. A standard sort. Long and of uniform size. Color a beautiful green. Flesh very red, with a taste that lingers. It has long been a favorite with the truckers and market gardeners. **Pkt. 10c, oz. 15c, ¼ lb. 25c, lb. 75c.**

KLECKLEY SWEET

85 Days. Well does it deserve its name. It has a sweetness peculiarly all its own. This skin is a rich drak green; the flesh bright scarlet; ripening close to the rind. The melons average about 20 inches long and ripen quite early. Our strain is from the original stock, and we can recommend it very highly. **Pkt. 10c, oz. 15c, ¼ lb. 25c, lb. 75c.**

THURMOND GRAY

95 Days. A heavy producer of large long melons that have size, attractive appearance, fine quality and bright red, solid meat that ripens close to the tough thin rind and is free of strings. **Pkt. 10c, oz. 15c, ¼ lb. 25c, lb. 75c.**

HAWKESBURY

90 Days.—Wilt-resistant, light grayish-green color; medium to deep red flesh; tender, sweet and juicy. Weight about 35 pounds. Oblong in shape. **Pkt. 10c, oz. 15c, ¼ lb. 35c, lb. $1.00.**

Stone Mountain

Dixie Queen

DIXIE QUEEN

85 Days.—Also known as Cuban Queen. A very prolific shipping variety, exceptionally sweet and of such quality that it has created quite a sensation. Fruits oval-round, light green with dark green stripes, rind is thin but tough, weight from 30 to 35 pounds. Seed small, white. **Pkt. 10c, oz. 15c, ¼ lb. 40c, lb. $1.25.**

IMPROVED GEORGIA or AUGUSTA RATTLESNAKE

90 Days. Rattlesnake has always been regarded as a fine melon and by many is preferred to all others. Our improved strain is even better than it ever was on account of constant selection and watchful work on it throughout a period of years. The rind is thin and tough, the flesh deep scarlet, the flavor and fine quality are unsurpassed by any other melon. We recommend it for both the home garden and for shipping. **Pkt. 10c, oz. 15c, ¼ lb. 25c, lb. 75c.**

SWEET HEART

90 Days. Fruits very large; round to slightly oblong, with blocky ends; light green with fine, dark veining; rind hard and tough; flesh bright red, crisp and sweet, seeds black. **Pkt. 10c, oz. 15c, ¼ lb. 25c, lb. 75c.**

IRISH GRAY

95 Days. The color is a distinct mottled greenish gray; the flesh is red, sweet, crisp and free from stringiness. Although a grand shipper, it is equally fine for the home garden. **Pkt. 10c, oz. 15c, ¼ lb. 25c, lb. 75c.**

STONE MOUNTAIN

90 Days. The largest of the round or nearly round melons, for on good melon ground they weigh 50 pounds or better. The outside color is dark green; the flesh is deep red, firm and solid, almost all heart with no white hearts or stringiness. In solid, almost all heart with no white hearts or stringiness. **Pkt. 10c, oz. 15c, ¼ lb. 25c, lb. 75c.**

PRESERVING CITRON or MELON

95 Days. A large-fruited variety, pure white flesh and thin rind. This is expensive when bought, yet can be grown and preserved by any energetic housewife, who will then also know it to be absolutely pure and good. It is planted like Watermelon. Red-seeded. **Pkt. 10c, oz. 15c, ¼ lb. 30c, lb. $1.00.**

SEED POTATOES

Maine Grown

CULTURE.—Potatoes thrive better on light sandy soil, yet under favorable conditions a good crop may be obtained on heavier soil. If stable manure is to be used, see that it is well rotted and not allowed to come in contact with the tuber. Make rows 3 feet apart and plant about 8 or 10 inches apart in the rows. Cover seed about 4 inches if ground is warm and dry; if cold and wet, cover 3 inches. Cultivate frequently to keep down the weeds. As the vines increase draw the earth around them, forming a slight ridge. When the bugs appear spray with Paris Green. Plant from 8 to 10 bushels to the acre.

IRISH COBBLERS

This is without a doubt the most popular variety grown. One of its chief characteristic features is that it makes few if any small potatoes, practically all being medium to large size and rarely ever a knotty one. A great favorite with the potato growers. Matures early; very productive; shape is round and chunky, with strong, deeply set, well developed eyes. Pure white flesh and cooks dry and mealy.

We handle both Certified and Selected Irish Cobblers. Maine grown.

CHIPPEWA

This new potato developed by the U. S. Department of Agriculture is rapidly growing in popularity. Has the general features of the Cobbler, extra early, but with shallow eyes, instead or the deep eyes of the Cobbler Disease resistant and very productive.

KATAHDIN

Also a new introduction by the U. S. Department of Agriculture. Has very shallow eyes, with crisp white flesh and distinctly desirable cooking qualities. A little later than the Chippewa. It is highly resistant to disease and one of the best keeping potatoes.

RURAL NEW YORKER

A valuable variety, of large size, very smooth and a great cropper; in quality unexcelled. This variety is yearly becoming more popular as the best late long keeper, and we recommend it highly.

PROSPERITY

An extra large cropper; medium early; flesh white; cooks white and mealy.

MAINE or HOULTON EARLY ROSE

An old standard variety, so well known that it needs no description. Our stock of this variety is the very best.

GREEN MOUNTAIN

A splendid late-crop variety; an excellent keeper; very prolific.

DAKOTA RED

A very late variety and yields even better than the McCormick. Oblong in shape; color red; flesh white and will cook dry and mealy; keeping qualities unexcelled; will yield from 25 to 35 bushels to one planted. Not to be confounded with the McCormick, as it is a true and distinct variety and of much better quality. The stock we offer is locally grown.

RED BLISS

This variety has a pink skin, white flesh, very early, nearly round, good size, uniform cropper and a strong grower, cooks white and mealy.

Sweet Potatoes

We can supply all the Leading Varieties in Season or from March 15th to April 15th.

SWEET POTATO PLANTS—ALL KINDS

READY ABOUT MAY 1st

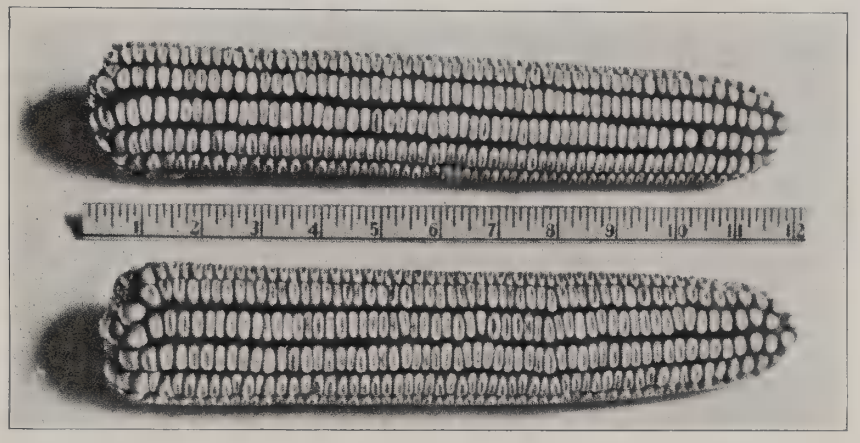
To prevent disease and to grow bumper crops of Potatoes, dip the tubers in "SEMESAN-BEL." See page 40. One pound will treat 60 to 80 bushels.

For blight on potatoes use Bordeaux Mixture. For potato bugs, use Arsenate of Lead, Arsenate of Zinc or Paris Green. For prices see pages 38 and 39.

SELECTED SEED CORN

Hybrid Corn is rapidly replacing the open pollinated sorts: in fact, half the acreage in leading corn states is now planted to Hybrid. The reason: yields 20% to 30% more, deep roots, strong stocks, storm and drought resistant, sound ears, disease resistant, no barren stalks, uniformity.

We list below four varieties, best adapted for this vicinity.



REID'S YELLOW DENT

120 Days. This is the prize-winning strain, having won prizes at both the Maryland and Virginia corn shows. It has large beautiful ears 10½ inches long and 7½ inches around, rough dent, 18 to 22 straight rows of deep, wedge-shaped grain, tight on the cob, and filled out at butt and tip. **Qt. 15c, pk. 75c, bu. (56 lbs.) $2.75.**

HYBRID WHITE DENT

125 Days. Ears very sound, about a foot long, deep grain with good shuck protection. Tests indicate it is the highest yielding white corn for Maryland and Delaware. **Qt. 40c, pk. $2.25, bu. (56 lbs.) $7.50.**

HYBRID YELLOW SWEEPSTAKES

108 Days. The highest yielding yellow ensilage corn ever to come to our notice. Averages 23 tons of silage per acre. **Qt. 40c, pk. $2.25, bu. (56 lbs.) $7.50.**

U. S. 13

100 Days. U. S. 13 medium, late, variety of heavy root construction. Storm and drought-resistant. For several seasons it has outyielded all hybrids and other varieties in this section. **Qt. 40c, pk. $2.25, bu. (56 lbs.) $7.50.**

EUREKA ENSILAGE

100 Days. Eureka is more universally grown for ensilage than any other one variety. It is a double purpose corn, for, aside from being a first-class ensilage corn, as a field variety it ranks high in yield. **Qt. 15c, pk. 75c, bu (56 lbs.) $2.75.**

CERTIFIED BOONE COUNTY (White)

125 Days. Medium late, fodder large, heavy and well bladed. Excellent for silo. Ears 9 to 12 inches long and well proportioned. Will average 18 to 20 tons per acre on good ground. **Qt. 15c, pk. 75c, bu. (56 lbs.) $2.75.**

POP CORN

South American Giant—Golden Yellow. **1 lb. 15c, 10 lbs. $1.00.**

White Rice—White, resembling rice. **1 lb. 15c, 10 lbs. $1.00.**

HYBRID GOLDEN DENT

Highest yielding and most prolific yellow corn. 126 Days. Actual yield increases of 15% to 25% over regular commercial varieties. Ears averaging 12 inches and quite frequently two to the stalk. Named for its beautiful color. Stalks strong and sturdy. **Qt. 40c, pk. $2.25, bu. (56 lbs.) $7.50.**

HYBRID EXTRA EARLY YELLOW DENT

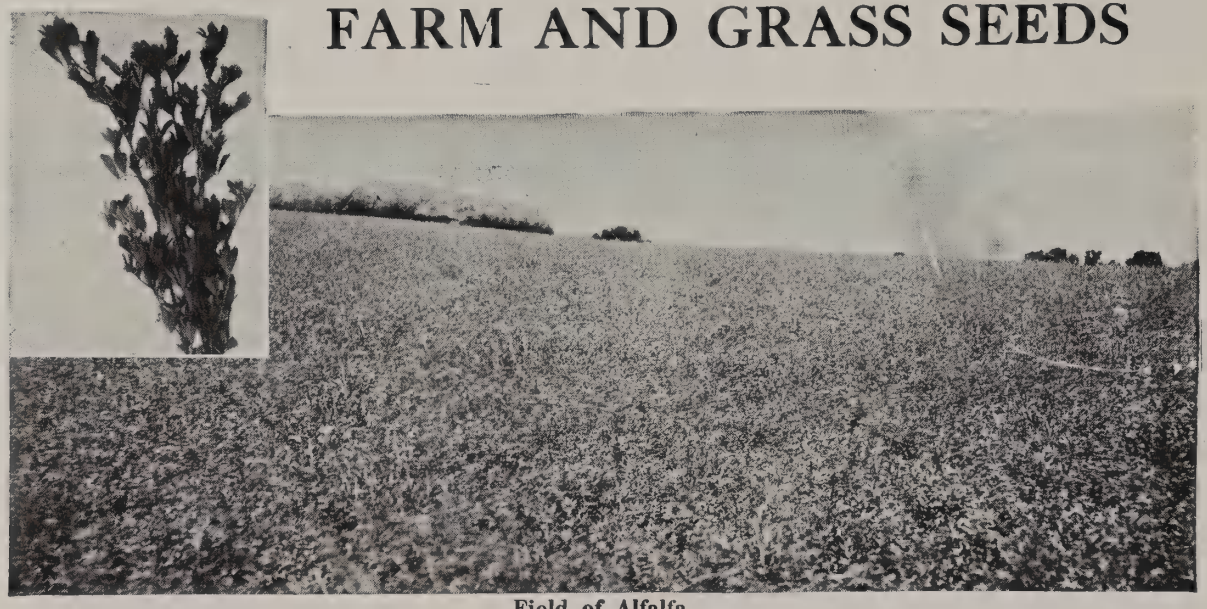
95 days to maturity. Earliest Yellow Hybrid. Medium long ears; 16 straight rows of thick, sound grain. Ears placed low on a leafy, stocky stalk, that will stand in spite of storms. Extremely deep roots and drought resistant. **Qt. 40c, pk. $2.25, bu. (56 lbs.) $7.50.**

IMPROVED GOLDEN DENT

125 Days. Can always be relied on to make a satisfactory yield, makes one of the largest ears of any yellow corn, averaging 12 inches, very showy; named for its beautiful color, very prolific, stalks sturdy and strong. **Qt. 15c, pk. 75c, bu. (56 lbs.) $2.75.**

Use "Crow Repellent" to Prevent Birds and Animals from Pulling the Corn—*SEE PAGE 38*

FARM AND GRASS SEEDS



Field of Alfalfa

ALFALFA

The most valuable forage crop on the farm today. For hay, soil improvement and pasture it is unexcelled. Does not exhaust the soil; it enriches it. It supplies its own nitrogen and stores it in the land to make bigger crops that follow it. Sow the seed at the rate of 20 lbs. to the acre; in May, August and September. It is advisable to inoculate the seed with nitrogen. See Page 40.

KANSAS ALFALFA

U. S. Government Verified Origin

About 75 to 80% of all Alfalfa sown in the east is Kansas grown, as it stands our winters better than most all others. Do not try to save money by planting cheap alfalfa; it is expensive. Our Kansas Alfalfa will test 99.60% pure, 90% germination. **1 lb. 35c 10 lbs. $3.25.**

GRIMM ALFALFA

Very hardy, will stand the severest Winters of our Mountain section. **1 lb. 45c, 10 lbs. $4.00.**

"NORTHWEST" ALFALFA

U. S. Verified

This is the hardiest and most productive of all the Alfalfas, as the seed is grown under the most severe conditions in the Rocky Mountain States. **1 lb. 45c, 10 lbs. $4.00.**

OKLAHOMA—KANSAS ALFALFA

U. S. Verified

Grown in Oklahoma on the border line of Kansas; a very hardy strain. **1 lb. 35c, 10 lbs. $3.00.**

RED CLOVER (Trifolium Pratense)

This is by far the most important of all the varieties for practical purposes. Sow in Spring or Fall, and if no other grasses are used, at the rate of 15 pounds per acre. **1 lb. 25c, 10 lbs. $2.00.**

SAPLING CLOVER

Similar to Red Clover, the difference being that it grows larger and is later maturing. **1 lb. 25c, 10 lbs. $2.20.**

ALSIKE or SWEDISH (Trifolium Hybridum)

The most hardy of all Clovers; perennial. On rich, moist soil it yields an enormous quantity of hay or pasturage, but its greatest value is for sowing with other Clovers and Grasses, as it forms a thick bottom and greatly increases the yield of hay. Sow the seed in Spring or Fall, at the rate of 10 to 15 pounds per acre, when sown alone. **1 lb. 25c, 10 lbs. $2.00.**

CRIMSON CLOVER (Trifolium Incarnatum)

This is used principally for soiling or green manuring, for which purposes it is highly valuable. If desired for feed, cut it just before it flowers. When desired for green manure, it should be allowed to mature; its height is from 1 to 2 feet. Sow 20 pounds to the acre. Late summer or fall seeding is usually practiced. It is not hardy for more than one season and must be sown each year. **1 lb. 18c, 10 lbs. $1.50.**

WHITE BLOOMING SWEET CLOVER

While extensively used as a bee food, this is a valuable variety for soiling (green manure); for sowing in Spring on lands which are later to be sown in Alfalfa, this is excellent. It inoculates the ground and seems to render it more capable of insuring a good stand of Alfalfa than if it is not used. Can be cut as often as three times in a season if wanted for forage. Sow 15 pounds per acre in early Spring, alone, or 10 pounds per acre with other crops. **1 lb. 15c. 10 lbs. $1.20.**

WHITE DUTCH CLOVER

A small, creeping perennial variety, valuable for pasturage and for lawns. It accommodates itself to a variety of soils, but prefers moist ground. **1 lb. 75c.**

LESPEDEZA or JAPAN CLOVERS

In feeding value it is about equal to Alfalfa. It grows anywhere, on acid soils; waste lands, worn out gravelly soils and galled hillsides, where nothing else will grow. Reseeds itself every year, but is easily killed out by a cultivated crop. The strong root growth penetrates about 8 inches deep, making it highly drought resistant. A harrowing before sowing is the only preparation necessary. When sown alone broadcast 20 pounds to the acre during latter part of March or early in April. Do not cover the seed.

JAPAN CLOVER or COMMON LESPEDEZA

The original Lespedeza. Sow 25 lbs. to the acre on your poor land to bring it into condition to produce profitable crops. **1 lb. 25c, 10 lbs. $2.00.**

KOREAN

This variety is better adapted to Maryland and Virginia than any of the other sorts. The abundant growth, deep penetrating roots covered with nodules make it an outanding ng and soil building legume. **1 lb. 15c, 10 lbs. $1.00**

For bigger and better crops, inoculate the seeds mentioned on this page with "Nitragin."
Order Nitragin "A" for Clovers.
Order Nitragin "L" for Lespedeza.

GRASS SEED FOR LAWN AND FIELD

CREEPING BENT GRASS (Agrostis Stolonifera)

Particularly valuable for lawns that are to be used as croquet and tennis grounds. Makes a low, velvety growth. **1 lb. 75c, 10 lbs. $7.00.**

BLUE GRASS, KENTUCKY (Poa Pratensis)

It is the most nutritious, hardy and valuable of all Northern grasses. Sown with White Clover, it forms a splendid lawn. If sown by itself for meadow or pasture, use about 28 pounds per acre. **1 lb. 30c, 10 lbs. $2.50.**

BERMUDA GRASS (Cynodon Dactylon)

Extensively used on lawns and pastures in the Southern States. **1 lb. 40c, 10 lbs. $3.50.**

CRESTED DOG TAIL (Cyndsurus Cristatus)

A very hardy perennial used in pasture mixtures. **1 lb. 40c, 10 lbs. $3.50.**

FESCUE, CHEWINGS (Festuca Rubra Fallax)

Used on putting greens and very fine lawns. **1 lb. 75c, 10 lbs. $6.50.**

FESCUE, HARD (Festuca Duriuscula)

Used in pasture mixtures.

MEADOW FESCUE or ENGLISH BLUE GRASS (Festuca Pratensis)

A perennial from 2 to 4 feet high, with flat, broad leaves. One of the standard European Grasses. It succeeds well on nearly all soils, but does best on upland, loamy or moderately stiff soils. An excellent pasture Grass to take the place of the wild grasses, as it yields a large amount of early and late feed. Sow about 40 pounds per acre. **1 lb. 25c, 10 lbs. $2.00.**

FESCUE, RED (Festuca Rubra)

Used on putting greens and lawns. Succeeds well in sandy soils. **1 lb. 75c, 10 lbs. $6.50.**

FESCUE, SHEEP'S (Festuca Ovina)

Valuable for pastures, does well on light soils.

ORCHARD GRASS (Dacytilus Glomerata)

Desirable for its quick growth and valuable aftermath. It is ready for grazing 2 weeks earlier than any other grasses, and when fed off is again ready for grazing in a week, and will continue green after all other grasses are withered by dry weather. It is palatable and nutritious, and stock eat it greedily when green. If sown alone, about 28 pounds per acre are required. **1 lb. 30c, 10 lbs. $2.90.**

RECLEANED RED TOP (Agrostis Vulgaris)

This is known as Herd's Grass. It is a good, permanent grass, standing our climate well, and makes good pasture when fed close; is valuable for low, wet meadows, producing a large return in hay. When sown alone, use about 28 pounds of the chaff seed per acre. Sow in Spring or Fall. **1 lb. 20c, 10 lbs. $1.75.**

ROUGH-STALKED MEADOW GRASS (Poa Trivialis)

Used on Shady Lawns and also for permanent pastures. **1 lb. 65c, 10 lbs. $6.00.**

RYE GRASS, DOMESTIC

For Pastures, extra heavy seed. **1 lb. 10c, 10 lbs. 80c.**

PERENNIAL RYE GRASS (Lolium Perenne)

A very valuable variety for permanent pasture. Succeeds well on almost any soil, but is particularly adapted to moderately moist or irrigated lands. Sow 30 to 40 pounds per acre in Spring. **1 lb. 20c, 10 lbs. $1.75.**

RYE GRASS, ITALIAN (Lolium Italicum)

An annual grass grown mostly for hay and mixtures. **1 lb. 15c, 10 lbs. $1.00.**

TALL MEADOW OAT GRASS (Avena Elatior)

A hardy perennial, much used in the South and West. Roots penetrate deep. It yields a heavy crop an any good soil, and is valuable both for meadow and pasture. **1 lb. 20c, 10 lbs. $1.75.**

TIMOTHY (Phleum Pratense)

The most valuable of all the grasses for hay; thrives best on moist, loamy soils of medium tenacity. It should be cut just when the blossom falls. Sow early in the Spring or Fall, at the rate of 15 pounds per acre if alone, but less if with other grasses. **1 lb. 10c, 10 lbs. 80c.**

W. D. CO.'S PERMANENT PASTURE MIXTURE

Our pasture mixtures are composed of the very best and highest grade of seed obtainable. They are especially selected for purity and germination and are thoroughly mixed by our special process, thereby assuring a very even distribution of each individual variety on the ground. Forms a close heavy turf and will not be injured by close cropping and tramping of the animals. Plant 2½ bushels to the acre. 14 pounds to the bushel. In ordering please state if wanted for high or low land. **1 lb. 30c, 10 lbs. $2.75, 25 lbs. $6.25, 100 lbs. $24.00.**

DWARF ESSEX RAPE

This makes an indispensable green food for sheep and hogs. It can be pastured 8 weeks after sowing. The growth is enormous. If one has the available land, it is good to sow in succession, as the stock eat it close to the ground, and it will not stand pasturing any great length of time. This, of course, depends upon the number of head turned on an acre. Sow 6 pounds per acre broadcast from April 1st to October 1st. It produces enormous crops and is an ideal green manure. **1 lb. 20c, 5 lbs. 75c.**

HAIRY VETCH

For improving the soil or for Hay. Sow in the Fall at the rate of 60 lbs. to the acre, or with Rye or Wheat at the rate of 30 lbs. Vetch to 30 lbs. Rye or Wheat. **Lb. 20c, 10 lbs. $1.40.**

We carry in stock in their respective seasons the following list of field or farm seeds, all of which are of recleaned stock and of the highest germination.

Smooth Awned Bearded Barley, Beardless Barley; Japanese Buckwheat; Mixed, New Era, Whippor-will and Black Cow Peas; Canada Field Peas; Japanese, Hungarian, Golden or German Millets; Amber and Orange Sugar Cane or Sorghum; Sudan Grass; Fulghum (rust proof), Heavy Spring and Winter Oats; Winter, Rosen and Abruzzi Rye; White Kaffir Corn; China Beardless, Leaps Prolific Beardless, Foward Beardless, Leapland Beardless and Penn. 44 Bearded wheat: Wilson, Medium Yellow, Manchu, Mammoth Yellow, Tokio, and Laredo Soy Beans.

Let us know your requirements and we will gladly quote you prices.

Wiseman-Downs Co.'s
RELIABLE FLOWER SEEDS

We present the following list as our selection of the best and most reliable of both domestic and foreign grown varieties and strains and feel sure they will please the most critical lover of flowers. We use every effort to procure the very best strains obtainable and spare no expense to accomplish same.

(A) **ANNUALS** are those flowers that bloom and ripen their seed the first year, then die. Among these will be found Asters, Balsam, Mignonette, Sweet Peas, Nasturtiums, Morning Glories, and many other very brilliant and fragrant flowers. In fact, if you want flowers early in the season, and all the time until frost, a good selection of Annuals will not disappoint you.

(P) **PERENNIALS** are those flowers that endure our Winters with little or no protection, and live and bloom several years in succession. A large majority of the Perennials will bloom the first year if started early in the Spring. Hollyhocks, Larkspurs, Foxglove, Poppies, etc., are in this popular class.

ORDER BY NUMBER

ACHILLEA (Yarrow)

P-100—PTARMICA, "The Pearl."—Hardy White Perennial grows about two feet high. Pure white flowers. **Pkt. 15c, ⅛ oz. $1.00.**

ACONITUM (Monk's Hood)

P-102—NAPELLUS.—Hardy Perennial. Thriving best in semi-shady places. Long spikes of blue flowers. 3 feet. **Pkt. 15c, ¼ oz. $1.25.**

ACROLINIUM

An "Everlasting;" can be dried and used in winter bouquets. Also fine for borders. Fifteen inches high.

A-107—DOUBLE MIXED.—Pkt. 10c, oz. 50c.

AGERATUM (Floss Flower)

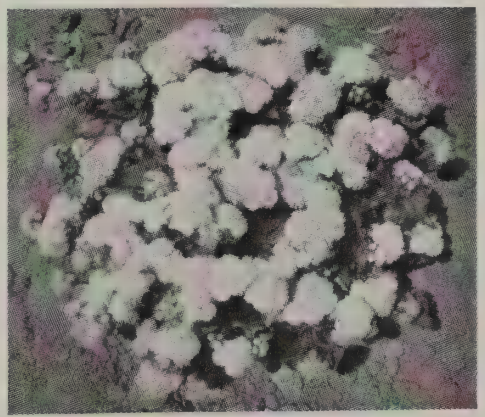
Hardy Annual. Excellent for bedding or borders; blooms from early Summer till frost. Height about 2 feet. Beautiful feathery flowers.

A-113—BLUE BALL.—Pkt. 10c, ½ oz. 50c.
A-114—DWARF WHITE.—Pkt. 10c, ½ oz. 50c.
A-115—PURPLE PERFECTION.—Pkt. 10c, ¼ oz. 50c.
A-116—DWARF MIXED.—Pkt. 10c, ¼ oz. 75c.

AGROSTEMMA (Mullein Pink)

An attractive free-flowering hardy perennial. Fine for cutting.

B-130—MIXED.—Pkt. 10c, oz. 40c.



Ageratum—Blue Perfection

ALYSSUM

Very popular for baskets, edgings, rockwork or beds. Blooms all Summer; very fragrant.

A-140—MARITIMUM, Sweet White.—Pkt. 10c, ¼ oz. 15c, oz 50c.

A-141—COMPACTUM (Little Gem), Dwarf White.—Pkt. 10c, ¼ oz. 25c, oz. 75c.

A-142—COMPACTUM (Lilac Queen.)—Pkt. 10c, ¼ oz. 25c, oz. 75c.

P-145—SAXATILE.—Cloth of Gold. **Pkt. 10c, ¼ oz. 40c, oz. $1.00.**

AMARANTHUS

Very showy plants, some remarkable for their panicles of showy flowers and others for the brilliant range of colors in the leaves.

A-150—CAUDATUS (Love Lies Bleeding).—Long red panicles. **Pkt. 10c, ¼ oz. 25c, oz. 75c.**

A-154—MOLTEN FIRE (Summer Poinsettia).—The most beautiful of all. Blends beautifully with evergreens. **Pkt. 10c, ¼ oz. 90c, oz. $2.50.**

A-155—TRICOLOR (Joseph's Coat).—Red, yellow and green leaves. **Pkt. 10c, ¼ oz. 25c, oz. 75c.**

ANTIRRHINUM (Snap Dragon)

One of the most charming of old-fashioned flowers, as they will bloom profusely from July until frost. Suitable for beds or borders.

A-166—SNOWFLAKE.—White. **Pkt. 10c, ¼ oz. $1.00.**

A-169—COPPER KING.—Coppery-bronze. **Pkt. 10c, ¼ oz. $1.00.**

A-170—BRILLIANT.—Scarlet and Yellow. **Pkt. 10c, ¼ oz. $1.00.**

A-171—CHEVIOT MAID.—Bright pink. **Pkt. 10c, ¼ oz. $1.00.**

A-173—CRIMSON KING.—Pkt. 10c, ¼ oz. $1.00.

A-174—MONARCH.—Crimson. **Pkt. 10c, ¼ oz. $1.00.**

A-175—CANARY BIRD.—Yellow. **Pkt. 10c, ¼ oz. $1.00.**

A-176—DEFIANCE.—Brilliant scarlet. **Pkt. 10c, ¼ oz. $1.00.**

A-177—Special mixture of delicate shades. **Pkt. 10c, ¼ oz. $1.00.**

A-180—ANTIRRHINUM.—Rock Hybrids mixed. Suitable for rock gardens. **Pkt. 10c, ¼ oz. $1.00.**

AQUILEGIA or COLUMBINE

Hardy Perennials, very effective when grown in groups among shrubbery. Long spurred flowers on long wiry stems. Sow either in Spring or Fall.

P-185—LONG SPURRED HYBRIDS.—Pkt. 25c.

P-186—ROCKY MOUNTAIN COLUMBINE.—Single Blue. **Pkt. 25c, ¼ oz. $2.25.**

P-187—DOUBLE MIXED VARIETIES.—Pkt. 25c.

P-188—SINGLE MIXED VARIETIES.—Pkt. 25c.

ARABIS (Rock Cress)

Early Spring flowering perennials; excellent for rockeries or edging.

P-190—ALPINA.—Pure white. **Pkt. 10c, ¼ oz. 75c.**

P-191—ALPINA ROSEA.—Rose. **Pkt. 10c, ¼ oz. 75c.**

ARCTOTIS (African Daisy)

Produces beautiful white flowers with bluish centre; especially valuable as a cut flower, blooms lasting a week or ten days. Annual.

A-192—GRANDIS.– Pure white on upper surface. **Pkt. 10c, oz. 75c.**

Aster

ASTERS

Unequalled for beauty, grace and usefulness, continuing in bloom from July to September. For early blooms sow the seed indoors in March or April. Annual

AMERICAN BEAUTY (Wilt Resistant)

A-195—Azure blue. **Pkt. 10c, ¼ oz. 75c.**
A-196—Crimson. **Pkt. 10c, ¼ oz. 75c.**
A-197—Rose-Pink. **Pkt. 10c, ¼ oz. 75c.**
A-198—Rosy-Carmine. **Pkt. 10c, ¼ oz. 75c.**
A-199—Violet. **Pkt. 10c, ¼ oz. 75c.**
A-200—White. **Pkt. 10c, ¼ oz. 75c.**
A-201—All Colors, Mixed. **Pkt. 10c, ¼ oz. 50c.**
A-216—White. **Pkt. 10c, ¼ oz. 60c.**
A-217—All Colors, Mixed. **Pkt. 10c, ¼ oz. 50c.**

BALSAM (Lady Slipper)

An old and favorite flower, producing masses of beautiful brilliant colored double flowers in the greatest profusion.

A-225—CAMELIA FLOWERED.—Double Mixed. **Pkt. 10c oz. 75c.**

BELLIS (English Daisy)

A low growing Spring flowering plant. Loves a shady place and will reward the gardener with a mass of blossoms for succeeding years, if left undisturbed. Hardy Perennial.

P-226—LONGFELLOW.—Red, Extra Double. **Pkt. 10c, ⅛ oz 60c.**

P-227—SNOWBALL.—Double White. **Pkt. 10c, ⅛ oz. 60c.**

P-228—Double Mixed. **Pkt. 10c, ⅛ oz. 35c.**

BRACHYCOME (Swan River Daisy)

Beautiful blue or white flowers, suitable for edgings, small beds or pot culture; 9 inches. Annual.

CALENDULA (Pot Marigold)

Showy free flowering hardy annuals, producing a fine effect in beds or mixed borders.

A-245—ORANGE SHAGGY.—Rich dark orange. **Pkt. 10c, ½ oz. 25c.**

A-246—SPECIAL MARKET STRAIN.—Double Orange. **Pkt. 10c, ½ oz. 30c.**

A-247—CAMPFIRE.—Brilliant Orange and Scarlet. **Pkt. 10c, ½ oz. 50c.**

CALLIOPSIS

Showy and beautiful, free-blooming annuals. Excellent for cutting. Blooms continuously from early Summer until frost.

A-251—Choice Mixed Colors. **Pkt. 10c, ½ oz. 25c.**

252 COREOPSIS LANCEULATA

Beautiful golden-yellow perennial. **Pkt. 10c, ¼ oz. 25c.**

CAMPANULA (Canterbury Bells)

Hardy biennial, flowering the second season from seed producing large bell-shaped flowers of exquisite color.

B-253——Prize Mixture of all single varieties, extra fine. **Pkt. 10c, ½ oz. 40c.**

CANDYTUFT (Iberis)

Very popular and hardy annuals, universally known and considered indispensable for cutting.

A-256—Finest Dwarf Hybrids, Mixed. **Pkt. 10c, ½ oz. 30c.**

CARDIOSPERMUM (Balloon Vine)

A rapid growing annual climber; white flowers, followed by seed pods. Also known as "Love in a Puff."

AC-265—HALICACABUM.—Balloon Vine. **Pkt. 10c, oz. 25c.**

CARNATION

Most popular and valued highly for their delicious fragrance and richness of colors. Mixed.

A-266—MARGUERITE.—Double Mixed. **Pkt. 10c, ¼ oz. 50c.**

CELOSIA

Hardy Annual. Very ornamental, beautiful foliage.

A-270—CHILDSI (Chinese Wool Flower).—A profusion of large crimson balls. **Pkt. 10c, ½ oz 75c.**

A-271—PLUMOSII (Feathered Cockscomb).—Thompson's magnificent. Bronze colored foliage and graceful feathery plumes. **Pkt. 10c, ½ oz. 25c.**

CENTAUREAS

Well known hardy annual. Should be included in all old-fashioned gardens.

A-272—CENTAUREA CYANUS (Double Corn Flower).—Also known as Batchelor's Button, Ragged Sailor, and Ragged Robin. Double Mixed Varieties. **Pkt. 10c, oz. 50c.**

P-273—WHITE LEAVED CENTAUREA. (Dusty Miller).—Grown for their beautiful silvery foliage. **Pkt. 10c, ¼ oz. $1.00.**

CHRYSANTHEMUM

Showy and effective garden favorites. Hardy Annuals. Beautiful colored daisy-like flowers.

A-275—Single Mixed. **Pkt. 10c, oz. 25c.**

A-276—Double Mixed. **Pkt. 10c, oz. 25c.**

CINERARIA

Unsurpassed pot plants for the home or conservatory.

277—HYBRIDA GRANDIFLORA.—Extra large flowered choice mixture. **Pkt. $1.00.**

278—MARITIMA CANDIDISSIMA.— Silvery-leaved. **Pkt. 10c.**

CLARKIA

Beautiful Hardy Annuals, bearing small carnation-like flowers in soft pastel tints.

A-279—Double Mixed. **Pkt. 10c, oz. 50c.**

COLEUS

Very popular and novel foliage plants for house or garden culture.

P-280—RAINBOW.—Large Leaf Mixture. **Pkt. 25c.**

CONVOLVULUS (Morning Glory)

An old and well known hardy climber. Height 15 feet.

AC-281—MAJOR.—Splendid Mixture. **Pkt. 10c, oz. 25c.**

AC-282—JAPANESE.—Fine Mixed with fine waxy flowers. **Pkt. 10c, oz. 35c.**

COSMOS

A Summer and Autumn flowering hardy annual. Used to advantage in clumps for screens or backgrounds.

A-285—Mammoth Flowered. Single Mixed. Early and late. **Pkt. 10c, ½ oz. 25c.**

A-286—Double Mixed. **Pkt. 10c, ⅛ oz. 25c.**

A-287—LADY LENNOX.—Pink. **Pkt. 10c, ½ oz. 40c.**

A-288 CYPRESS VINE (Ipomea Quamoclit)

Popular vine, fernlike foliage and masses of beautiful small star-shaped flowers. Mixed colors. **Pkt. 10c, oz. 50c.**

DAHLIAS

One of the most popular Summer and Autumn flowering plants. Very easily grown from seed. We offer the best in single, cactus and show varieties.

P-290—CACTUS.—Choice Mixed. **Pkt. 25c.**

P-291—PEONY-FLOWERED.—Mixed. **Pkt. 25c.**

P-292—UNWIN'S DWARF HYBRIDS (Miniature).—Semi-Double Mixed. **Pkt. 25c.**

DELPHINIUM (Perennial Larkspur)

Long flower spikes, most beautiful shades of blue and purple. Seed should be started indoors in shallow boxes, early in Spring otherwise they will not bloom until the next year.

P-293—W.-D. CO.'s PRIZE MIXTURE.—A glorious strain, comprising outstanding colors and varieties. **Pkt. 25c, ⅛ oz. $1.50.**

DIANTHUS or PINKS

Dianthus or China Pinks

Most beautiful and satisfactory Summer flowering plants, unrivalled for brilliancy and rich variety of colors.

A-294—CHINENSIS.—Chinese Pink. Choice Double Mixed. **Pkt. 10c, ½ oz. 40c.**

DIGITALIS (Foxglove)

Very showy, hardy plants. They are easily grown and produce freely; spikes 4 to 5 feet high, well furnished with Gloxinia-like flowers. Hardy Perennial.

P-295—THE SHIRLEY.—Large Flowered. Choice Mixed. **Pkt. 10c, ⅛ oz. 25c.**

DOLICHOS (Hyacinth Bean)

A rapid growing annual climber, flowering freely in erect racemes, followed by ornamental seed-pods.

AC-296—Choice Mixed Colors. **Pkt. 10c, oz. 25c.**

ESCHSCHOLTZIA (California Poppy)

Very beautiful and brilliant annual. They will grow nicely and bloom profusely over a long season in any sunny position.

A-300—CALIFORNICA.—Pure Yellow. **Pkt. 10c, ½ oz. 50c.**

A-301—ENCHANTRESS.—Double Rose. **Pkt. 10c, ½ oz. 75c.**

A-302—Choice Mixed. **Pkt. 10c, ½ oz. 50c.**

EUPHORBIA

Plants of a very colorful foliage, very pleasing as they are quite a contrast to other plants having all green foliage, or others that are grown only for their flowers.

A-305—VARIEGATA (Snow on the Mountain).—**Pkt. 10c, ½ oz. 25c.**

A-306—HETEROPHYLLA (Summer Poinsetta).—**Pkt. 10c, ½ oz. 25c.**

GAILLARDIA (Blanket Flower)

A-307—PICTA.—Single Mixed. Hardy Annuals. Large daisy-like flowers, of yellow and bronze. **Pkt. 10c, ½ oz. 25c.**

A-308—PICTA LORENZIANA.—Double Mixed. **Pkt. 10c, ½ oz. 25c.**

P-309—GRANDIFLORA.—Hardy Perennial. Large flowered. Choice Mixed. **Pkt. 10c, ½ oz. 40c.**

GILLIA

Very graceful annual, growing about 2 feet high with fine feathery foliage. Rich lavender blue flowers.

A-310—Tall Mixed Colors. **Pkt. 10c, oz. 50c.**

GODETIA

Very showy, of compact growth. Exquisite colors and shades that glisten in the sunlight like satin. Hardy Annuals.

A-311—Semi-Dwarf Mixed. **Pkt. 10c, oz. 75c.**

A-312—Dwarf Mixed. **Pkt. 10c, oz. 75c.**

GOMPHRENA (Globe Amaranth)

Flowers resemble clover heads and can be dried and used in Winter bouquets. Sometimes called Batchelor's Button.

A-313—Mixed Colors. **Pkt. 10c, oz. 50c.**

GOURDS, ORNAMENTAL

Rapid growing, interesting annual climbers, with ornamental foliage and singular shaped fruit. We offer, ornamental mixed, Dish Cloth, Pipe or Calabash, Dipper, Nest Egg and Hercules Club.

AC-314—Mixed Varieties. **Pkt. 10c, oz. 25c.**

GYPSOPHILA (Baby's Breath)

Yields graceful sprays of pure white flowers. Fine cut flowers.

P-316—PANICULATA.—Hardy Perennial variety. Pure white sprays. **Pkt. 10c ¼ oz. 25c.**

A-317—ELEGANS (Alba Pura).—Annual variety. Pure white. **Pkt. 10c, oz. 40c.**

HELICHRYSUM (Straw Flower)

Hardy Annuals. Rich in glittering colors, generally grown to dry for use in Winter bouquets.

A-319—Choice Mixture of the following colors: Brown, Coppered, Crimson, Purple, Rose, Salmon and White. **Pkt. 10c, ¼ oz. 25c.**

HELIOTROPE

Always popular on account of its delightful fragrance. A half-hardy perennial flowering the whole season.

P-320—MAMMOTH FLOWERED.—Choice Mixture. **Pkt. 10c, ¼ oz. 75c.**

HIBISCUS (Marshmellow)

Showy ornamental plants for mixed beds or shrubbery borders, having large beautifully colored flowers. Hardy Perennial.

P-325—Giant Mixed. **Pkt. 10c, oz. 50c.**

HOLLYHOCK

Very popular hardy perennial; grown everywhere and valuable for a back ground.

P-330—Double Mixed. **Pkt. 10c ¼ oz. 50c.**

P-331—Single Mixed. **Pkt 10c, ¼ oz. 25c.**

IPOMEA

Climbers of rapid growth, with beautiful and varied flowers; for covering walls, arbors, trellises, or stumps of trees they are invaluable.

AC-332—IMPERIALIS (Japanese Morning Glory).—Pkt. 10c. oz. 35c.

AC-333—GRANDIFLORA (Moon Flower). — Blooms open only at night. **Pkt. 10c, ½ oz. 25c.**

KOCHIA (Summer Cypress)

Forms a cypress-like hedge of beautiful green and of perfect symmetry about 3 feet high. The entire plants turn to a deep red in the Autumn. Hardy Annual.

A-335—CHILDSII.—Pkt. 10c, oz. 40c.

LANTANA

Rapid-growing, tender perennial plants for pot culture in the Winter or garden decorations in the Summer.

P-336—HYBRIDA.—Mixed. **Pkt. 10c, ¼ oz. 25c.**

LARKSPUR

Hardy Annuals, with long floral spikes of double blossoms, and continuing in bloom, from early Summer until Fall.

A-337—Hyacinth Flowered, or Rocket, choice mixed. **Pkt. 10c, oz. $1.00.**

A-338—Tall Double Mixed. **Pkt. 10c, oz. 75c.**

LATHYRUS (Everlasting Sweet Pea)

Showy, free-flowering hardy perennial climbers for covering old stumps, fences, etc.; continually in bloom; fine for cutting.

PC-339—Choice Mixed. **Pkt. 10c, oz. 50c.**

LOBELIA

Very desirable for pot culture, edgings, hanging baskets, etc.; blooming profusely from June to November.

A-347—CRYSTAL PALACE.—Very large foliage and deep blue flowers. Hardy Annual. **Pkt. 10c, ¼ oz. 60c.**

LUNARIA (Biennis Honesty)

B-348—Grown for its silvery paper-like seed pods. Grows almost anywhere. 4 ft. biennial. **Pkt. 10c, ¼ oz. 25c, ½ oz. 40c.**

LUPINUS (Lupine)

Free flowering, easily grown. Graceful long spikes set with large, pea-like blossoms. The plants prefer a semi-shaded spot.

A-350—HARTWEGI.—Hardy Annual, in choice mixture. **Pkt. 10c, oz. 35c.**

MARIGOLD

The French and African Marigolds are the most popular and easiest grown of all the annuals. The tall varieties give charm to the border, while the dwarfs are valuable for bedding and make ideal edging plants.

A-355—GUINEA GOLD (African).—Brilliant Gold. One of the most outstanding. Height about 2 feet. Very free bloomer. **Pkt. 10c, ¼ oz. 25c.**

A-356—LEMON QUEEN (African).—Clear lemon yellow. 2½ feet. **Pkt. 10c, ¼ oz. 40c.**

A-357—PRIDE OF THE GARDEN (African).—Double Mixed. **Pkt. 10c, ½ oz. 35c.**

A-358—TALL DOUBLE MIXED (French).—Pkt. 10c, ¼ oz. 25c.

A-359—DWARF DOUBLE MIXED (French).—Pkt. 10c, ¼ oz. 25c.

MARVEL OF PERU (Four O'Clocks)

Grows freely from seed. Blooms from the late afternoon on through the night, 2 feet.

A-361—Mixed Colors. **Pkt. 10c, oz. 25c.**

MIGNONETTE

A well-known favorite, very fragrant, and no garden is complete without it. Annual.

A-363—GOLIATH.—Large trusses of double red flowers. **Pkt. 10c, ¼ oz. 30c.**

A-364—MACHET.—Large spikes, red tinted. **Pkt. 10c, ¼ oz. 20c.**

MOMORDICA

Very curious climbing vine; ornamental foliage; fruit golden-yellow; warted; 10 feet.

AC-365—BALSAMINA (Balsam Apple).—Pkt. 10c, ½ oz. 25c.

AC-366—CHARANTIA (Balsam Pear).—Pkt. 10c, ½ oz. 25c.

Salvia—Scarlet Sage

NASTURTIUM

One of the most popular of all annuals. Easily grown, as they will grow most anywhere except in the shade. Blooming profusely throughout the Summer, they may be used to cover unsightly railings and to trail over rough ground with fine effect. Excellent for cut flowers.

DWARF VARIETIES

A-370—AURORA (Terra Cotta).—Pkt. 10c, oz. 20c.
A-371—BEAUTY OF MALVERN.—Orange-Scarlet. **Pkt. 10c, oz. 20c.**
A-372—CHAMALEON.— Cream - White, bright - scarlet red and veined. **Pkt. 10c, oz. 25c.**
A-373—EMPRESS OF INDIA.—Intense crimson-scarlet; extra dwarf, dark leaved. **Pkt. 10c, oz. 30c.**
A-374—GOLDEN GLEAM.—Sweet scented, of very vigorous growth; bloom of a golden yellow, averaging 2 to 3 inches across. **Pkt. 10c, oz. 50c.**
A-375—DWARF OR TOM THUMB MIXTURE.—Pkt. 10c, oz. 20c.
A-376—TALL VARIETIES.—Mixed. **Pkt. 10c, oz. 20c.**

NIGELLA (Love in a Mist)

Handsome flower, requiring but little care. Flowers bright and showy, very curious seed pods.
A-377—HISPANICA.—Blue. **Pkt. 10c, oz. 45c.**
A-378—Double Mixed. **Pkt. 10c, oz. 25c.**

PANSIES

These beautiful hardy annuals should be in every flower lover's garden as they combine such a vast number of colors and shades. For early Spring blooming the seed should be sown in an open exposure in August or first part of September. Protect through the Winter with leaves or litter of some kind.
A-380—TRIMARDEAU—Brilliant Mixture. **Pkt. 25c, ⅛ oz. 50c.**
A-381—MAMMOTH EXHIBITION.— Mixture. **Pkt. 25c, ⅛ oz. 75c.**
A-382—W.-D. CO.'s GIANT FLOWERING.— Mixed. **Pkt. 25c, ⅛ oz. $1.00.**

PETUNIA

These are almost indispensable for garden decoration. They flower in a few weeks' time from seed and continue to grow, bud and bloom in luxuriance until frost. Half-hardy annuals.
A-385—ROSY MORN.—Soft rose-pink with a white throat. Dwarf growth. Single bedding variety. **Pkt. 15c, ¼ oz. 50c.**
A-386—ROSE OF HEAVEN.—Dwarf, single bedding, slightly deeper rose than Rosy Morn. **Pkt. 15c, ¼ oz. 50c.**
A-387—HOWARD'S STAR.—Dwarf, single bedding, purple white striped. **Pkt. 10c, ¼ oz. 40c.**
A-388—CHOICE SINGLE.—Mixed Colors. **Pkt. 10c, ¼ oz. 30c.**
A-389—DOUBLE FRINGED GIANT PETUNIAS.—In a splendid mixture. **Pkt. 50c.**

PHLOX DRUMMONDI

For beds and massing nothing can surpass these beautiful annuals. They produce immense trusses of large brilliant flowers of numberless hues throughout the Summer.
A-390—Dark Purple. **Pkt. 10c, ¼ oz. 40c.**
A-391—Rose with dark eye. **Pkt. 10c, ¼ oz. 40c.**
A-392—Choice Mixed. **Pkt. 10c, ¼ oz. 40c.**
P-393—DECUSATTA.—New hybrids in choice mixture, containing the new brilliant colors. **Pkt. 10c, ¼ oz. 75c.**

PHYSALIS (Chinese Lantern)

An ornamental plant, forming dense bushes about 2 feet high producing orange-scarlet lantern-like fruits, which can be cut and dried for Winter bouquets. Hardy Perennials.
P-394—FRANCHETTI.—Large showy orange-like fruit. **Pkt. 10c ¼ oz. 50c.**

POPPIES

The flaming brilliancy of color make these real garden assets. Sow the annual sorts thinly in early Spring and do not transplant; start the perennial varieties indoors in February and transplant when safe.

HARDY ANNUALS

A-395—SHIRLEY MIXED.—Silk or ghost poppy. **Pkt. 10c, ¼ oz. 20c.**
A-396—PAEONY FLOWERED.—Double Mixed, all colors. **Pkt. 10c, ¼ oz. 20c.**

HARDY PERENNIALS

P-397—ICELAND.—Yellow. **Pkt. 10c, ⅛ oz. 25c.**
P-398—ORIENTALE.—Large deep crimson flowers. **Pkt. 10c, ⅛ oz. 25c.**

PORTULACA (Sun Plant)

Brilliant garden annual, 6 inches high, luxuriating in warm dry sunny situations and blooming profusely from early Summer to Autumn. Colors range through innumerable shades of red, yellow, pink, striped, white, etc.
A-399 Extra double mixed large flowering. **Pkt, 10c, ¼ oz, 75c,**
A-400—Choice single mixed. **Pkt. 10c, ¼ oz. 25c.**

PUERARIA (Kudzu Vine)

A very strong-growing climber. The leaves overlap each other so as to form a dense screen. Hardy Perennial.
PC-401—THUNBERGIANA.—**Pkt. 10c, oz. 25c.**

PYRETHRUM

Few plants are more popular for borders. The finely cut leaves of the foliage and the bright color of the blooms make it especially attractive.
P-402—Single and Double Mixed. **Pkt. 10c, ¼ oz. 25c.**

RICINUS (Castor Oil Bean)

Ornamental plants of stately growth and picturesque foliage, with brilliant colored fruit, producing subtropical effect.
A-403—ZANZIBARIENSIS.—Large leaves, varying in color from light green to purplish red; 12 feet. **Pkt. 10c, oz. 25c.**
A-404—CAMBODGENSIS.—Black foliage; 5 feet. **Pkt. 10c, oz. 25c.**
A-405—Mixed Varieties. **Pkt. 10c oz. 25c.**

SALVIA (Scarlet Sage)

One of the most popular of the ornamental plants, attaining a height of from 2 to 3 feet; producing tall spikes of gay flowers. Fine for bedding or hedging.
A-406—SPLENDENS.—Compacta, Bonfire. 2 feet. **Pkt. 10c, ¼ oz. 50c.**

SCABIOSA (Mourning Bride)

Perfectly double flowers; useful for cutting; gracefully borne upon long slender stems; range of color white to rich pink, crimson to deep red, lilac and black. Annual.

A-408—BLACK PRINCE.—Pkt. 10c, ¼ oz. 25c.
A-409—FIERY SCARLET.—Pkt. 10c, ¼ oz. 25c.
A-410—SHASTA WHITE.—Pkt. 10c, ¼ oz. 25c.
A-411—LILAC.—Pkt. 10c, ¼ oz. 25c.
A-412—CHOICE MIXED.—Pkt. 10c, ¼ oz. 20c.

STOCKS (Gilliflower)

All the varieties are desirable as pot plants as well as in the open garden. They are greatly prized for cut flowers on account of their fragrance and colors. Hardy Annuals.

A-415—Rose. **Pkt. 10c, ¼ oz. 75c.**
A-416—Canary-Yellow. **Pkt. 10c, ¼ oz. 75c.**
A-417—White. **Pkt. 10c, ¼ oz. 75c.**
A-418—Dark Crimson. **Pkt. 10c, ¼ oz. 75c.**
A-419—Dwarf Double Mixed. **Pkt. 10c, ¼ oz. 75c.**

SWEET WILLIAM (Dianthus Barbatus)

There is perhaps no flower more favorably known than the Sweet William. No garden is complete without it. They are easily grown from seed and produce a wonderful array of colors. Perfectly hardy.

P-429—Single Mixed, all colors. **Pkt. 10c, oz. 50c.**
P-430—Double Mixed. **Pkt. 10c, oz. 75c.**

Zinnias—Giants of California

SWEET PEAS

The soil for Sweet Peas should be rich and deep. A good rich loam, with plenty of well-rotted manure in it, is the ideal soil for raising good plants that will produce plenty of blooms. Seed should be sown as early in the season as the ground can be worked, which is usually between the middle of March and the middle of April in the latitude of Baltimore. It is best to dig a trench about 6 inches deep, in the bottom of which sow the seed. Cover with about an inch of soil, pressing it down firmly. As soon as they are above the ground thin out to 2 to 4 inches apart. They should be staked up with brush or wire about 4 feet high. During dry weather water frequently.

A-420—LATE SPENCER MIXTURE.—This mixture contains the finest named sorts, for brilliancy and richness, it cannot be excelled. **Pkt. 10c, oz. 25c, ¼ lb. 50c, lb. $1.50.**

A-421—EARLY SPENCER MIXTURE.—For those desiring to force under glass or early Summer flowering, as they come into bloom from 2 to 3 weeks earlier than the Late Spencer. This is also a blend of the most desirable colors. **Pkt. 10c, oz. 25c, ¼ lb. 50c, lb. $1.50.**

A-422—W.-D. CO.'s SPECIAL MIXTURE OF GRANDIFLORA VARIETIES.—An exceptionally good mixture. **Pkt. 10c, oz. 15c, ¼ lb. 40c, lb. $1.00.**

THUNBERGIA (Black Eyed Susan)

Beautiful rapid growing annual climbers, preferring a warm, sunny situation; used extensively in hanging-baskets, vases, low fences, etc., very pretty flowers in buff, white, orange, etc., with dark eyes. 4 feet. Colors.

P-432—ELATA.—Mixed. **Pkt. 10c.**

TRITOMA (Red Hot Poker)

Free blooming hardy perennial; large spikes of flowers. 2 feet.

P-433—NEW EARLY HYBRIDS.—Mixed. **Pkt. 10c.**

VERBENA

Splendid for beds or massing; the trusses and individual flowers of the largest size, of brilliant colors, free blooming and of vigorous habit, for best and quickest results seed should be sown early in the house or hotbed and transplanted to flowering quarters in May. One of the most popular garden annuals.

A-434—Mammoth, Dark Blue. **Pkt. 10c, ⅛ oz. 25c.**
A-435—Mammoth, Carmine. **Pkt. 10c, ⅛ oz. 25c.**
A-436—Mammoth, Scarlet. **Pkt. 10c, ⅛ oz. 25c.**
A-427—Mammoth, White. **Pkt. 10c, ⅛ oz. 25c.**
A-438—Mammoth, Salmon-Pink. **Pkt. 10c, ⅛ oz. 25c.**
A-439—Mammoth, Mixed all colors. **Pkt. 10c, ⅛ oz. 20c.**

VERONICA (Speedwell)

Of easy culture and free flowering, valued as a cut flower or for the garden. Hardy Perennial.

P-440—Mixed. **Pkt. 10c, ¼ oz. 75c.**

VINCA (Madagascar Periwinkle)

Ornamental free-blooming plants and one of the most satisfactory flowering plants we have; fine for cut flowers; every bud opening when placed in water.

A-443—ROSEA.—Rose, darkeye. **Pkt. 10c, ¼ oz. 25c.**
A-444—ALBA.—White, crimson eye. **Pkt. 10c, ¼ oz. 25c**

WALLFLOWER

Deliciously fragrant and combine many shades of color —the orange, purple and chocolate predominating. Half-hardy perennials. 1½ feet.

B-445—Choice Mixed Colors. **Pkt. 10c, ¼ oz. 25c.**

ZINNIAS

The Zinnia is one of the most brilliant, showy and satisfactory annuals, and has long been a general favorite.

DAHLIA-FLOWERED

A-446—DREAM.—Lavender turning to purple. **Pkt. 10c, oz. $1.00.**
A-447—CANARY BIRD.—Deep yellow. **Pkt. 10c, ¼ oz. 50c.**
A-448—SCARLET FLAME.—Scarlet. **Pkt. 10c, ¼ oz. 50c**
A-449—METEOR.—Dark Red. **Pkt. 10c, ¼ oz. 50c.**
A-450—ORIOLE.—Orange and Gold. **Pkt. 10c, ¼ oz. 50c.**
A-451—EXTRA CHOICE DOUBLE MIXED.—Pkt. 10c, oz. $1.00.
A-452—GIANTS OF CALIFORNIA.—Double Mixed. **Pkt. 10c, oz. $1.00.**
A-453—Double Small Flowered Mixed for cutting. **Pkt. 10c, oz. 1.00**

Bulbs and Plants for Spring Planting

CANNAS

For a brilliant show all Summer there is no plant excelling the Canna. It even surpasses the Geranium in its gorgeous display of brilliant colors, blooming continuously from the time of planting until cut down by frost. As Cannas are good pot plants either for Summer or Winter flowering, they may be lifted and potted in the Fall before the approach of frost. Grown in this way, they are ready to continue their good work without disturbing the plants

AUSTRIA. Enormous flowers, beautiful canary yellow with a silvery hue inside slightly dotted with red. Both in foliage and flower this Canna surpasses all others.

YELLOW KING HUMBERT. A sport from the bronze leaved red flowering King Humbert. Flowers are yellow dotted orange-scarlet. The occasional reversion of a stalk of foliage and flowers to the typical King Humbert makes a bed of this variety very interesting. 4½ feet.

FLORENCE VAUGHAN. This is the best yellow Canna spotted with red dots. The yellow is intense, and the dots, not too pronounced, add to the beauty of the flowers without detracting from the golden mass. 4 feet.

KING HUMBERT

In this grand Canna we have a combination of the highest type of flowers with the finest bronze foliage. Its flowers measure 6 inches in diameter, produced in gigantic trusses; a brilliant orange-scarlet with bright red markings; foliage broad and massive, of a rich coppery bronze. Height 5 feet.

THE PRESIDENT

A great Canna. Immense bright red flowers in fine clusters; unquestionably the most sensational introduction in recent years. 4 feet.

The above mentioned varieties are supplied in started plants only. Ready in April and May. **Price 15c each, 2 for 25c, dozen $1.50.**

DORMANT ROOTS. 60c per dozen.

CALADIUM ESCULENTUM

(Elephant's Ear)

Caladium Esculentum

Mammoth Bulbs.—10 to 12 inches in circumference. **25c each, $2.50 dozen.**

First Size Bulbs.—8 to 11 inches in circumference. **20c each, $2.00 dozen.**

Second Size Bulbs.—7 to 9 inches in circumference. **15c each, $1.75 dozen.**

Third Size Bulbs.—5 to 7 inches in circumference. **10c each, $1.00 dozen.**

FANCY LEAVED CALADIUMS

The choicest Brazilian introductions as well as a number of fine new varieties. **25c each, $2.50 per dozen.**

DOUBLE PEARL TUBEROSES

One of the most fragrant and beautiful of the Summer flowering bulbs. By skilful management a succession of flowers may be obtained all the year round. For early flowers they can be started in February or March in the greenhouse or hotbed, and for a succession they can be planted at intervals as late as July. For flowering in the open border plant about the middle of May, or as soon as the ground becomes warm. **Each 5c, dozen 50c.**

MADEIRA or MEXICAN VINE

One of the most popular climbers. Makes a thick shade, grows rapidly. Strong roots. **10c each, 60c per dozen.**

GLADIOLUS

Gladiolus

A FLAME. Immense Flowers of Flaming red. **50c per doz. $3.50 per 100.**

ALBATROSS

A splendid variety of pure white flowers. **65c per doz. $4.25 per 100.**

AMERICA—Conceded to be one of the finest varieties for cutting or bedding ever sent out, color a beautiful soft flesh-pink; orchid-like in its coloring and texture. **50c dozen, $3.50 per 100.**

BETTY NUTHALL

Warm Coral-Pink with Pale Yellow Throat Markings and a slight tinge of Orange, **50c per doz. $3.50 per 100.**

DR. F. E. BENNETT

Bright Scarlet Blooms Displaying White Spearhead Markings in the Throat. **50c per doz., $3.50 per 100.**

MRS. FRANCIS KING — Light scarlet of pleasing shade; small blotches of red; large wide open flowers; tall spike with many buds. **50c dozen, $3.50 per 100.**

MRS. FRANK PENDLETON—Soft rose pink. One of the finest varieties yet introduced. The flowers are of largest size, borne on strong straight spikes. Exquisite in every way. **50c doz., $3.50 per 100.**

PELEGRINA—A deep blue-violet that is particularly appealing for its color. The Blackish Blue Buds showing color to the tip of the spike. **50c per doz., $3.50 per 100.**

PEACE—Immense pure white flowers, with a touch of carmine in the lower petals. These are borne on tall, graceful spikes; a beautiful and exceedingly refined variety. **50c doz., $3.00 per 100.**

WURTTEMBERGIA—Brilliant scarlet with large creamy blotch. A most unusual and attractive variety **85c per doz., $5.00 per 100.**

DAHLIAS

We Have Carefully Revised Our List of Dahlias to Include only the Most Showy and Latest Introductions. You Will Find These Moderately Priced and a Very Good Selection. We Supply These in Dormant Roots Only.

CULTURE.—They do best in rich soil and plenty of sun, but will grow in any good garden soil, and in almost any location excepting one very shady. The bulbs or tubers should be planted in April, about 4 inches deep and 30 inches apart. An inch square stake, 3 or 4 feet long should be stuck a foot in the ground when the roots are planted, and the plants tied to it when about 2 feet high.

Hybrid Cactus Dahlia

Anna Benedict (Decorative)
Magnificent dark red; stems always erect **$1.25** each.

Alice Green (Decorative)
Beautiful Rich Golden Bronze Buff, **50c** each.

Satan (Decorative) An immense scarlet **75c** each

Gold Standard (Cactus)
Warm Buff Shaded with Amber and Gold, **$1.75** each.

Jersey Beauty (Decorative)
Ideal Pink, Free Bloomers.....each **25c**

Jane Cowl (Decorative)
Bronze Buff and Gold.....each **25c.**

Kathleen Norris (Decorative)
True Rose Pink Deepening to Mallow Pink.....each **40c.**

Miss Elsie Jane (Cactus)
Pink Cream Shading in Center.....each **$1.00.**

Mrs. Ide Ver Warner (Decorative)
Clear, Bright, Lilac Rose.....each **25c.**

Kentucky (Decorative)
Large Yellow and Gold—Shaded Salmon.....each **50c.**

Monmouth Queen (Decorative)
Immense Flowers of a Light Lemon Shade..... each **75c.**

Phantom (Decorative)
Deep Violet-Purple, Tipped White.....each **$1.00**

Mixed Dahlias
Splendid Assortment.....each **20c.**, Dozen **$2.00**

Hardy Rose Bushes

These are strong, hardy, healthy plants, potted.

Price 85c each—$9.00 per doz.

HYBRID TEA or MONTHLY BLOOMERS

RADIANCE, Pink.—One of the best of the Tea Roses. Beautiful rose-pink.

RADIANCE, Red.—Equally as sturdy as the above. Color a bright red.

KILLARNEY BRILLIANT.—Heavy double rose of great substance. Beautiful red.

ETOILE DE HOLLAND.—Flower bright red, of medium size, deliciously fragrant.

KAISERIN AUGUSTA VICTORIA.—Pure white, with shadings of primrose yellow.

KILLARNEY.—The finest pink forcing rose in existence.

BRIARCLIFF.—Very large, true pink.

LADY MARGARET STEWART.—An excellent exhibition rose, of orange-yellow color, becoming lighter at the edge of petals.

TALISMAN.—Long bud, with a combination of shadings of gold, apricot, yellow, deep pink and old rose.

ETOILE DE HOLLAND.—A lovely shade of clear, red-crimson velvet.

OPHELIA.—Salmon-flesh, shaded with rose, large and of perfect shape.

MRS. E. P. THOM.—Rich lemon-yellow. Perfectly shaped buds.

SOUVENIR DE CLAUDIS PERNET.—Beautiful yellow; an old favorite.

MME. BUTTERFLY.—Fragrant and shapely blooms of a delicate pink, based with gold.

GRUSS AN TEPLITZ.—Produces an abundance of crimson-maroon roses.

CLIMBING ROSES—85c each—$9.00 per doz.

AMERICAN PILLAR.—Brilliant crimson-pink flowers with white centers.

CLIMBING AMERICAN BEAUTY.—Very popular, produces brilliant carmine flowers.

PAUL'S SCARLET.—Fiery scarlet flowers of excellent shape.

PRIMROSE.—A real hardy yellow rambler.

DOROTHY PERKINS.—Very popular; shell pink.

INSECTICIDES—FUNGICIDES, ETC.

ARSENATE OF LEAD (Powder)

Kills Coddling Moth, Worms, Caterpillars, Potato Bugs and all chewing insects. Dilute 1 pound to 1½ pounds to 50 gallons water. **1 lb. pkg. 30c, 4 lb. pkg. 60c, 24 lbs. $3.50.**

ARSENATE OF LEAD (Oleate Coated)

Kills Japanese Beetle. One application should give protection throughout the Japanese Beetle Season. **1 lb. 50c, 2½ lbs. $1.10.**

ARSENATE OF ZINC (Powder)

Kills quicker than Arsenate of Lead. Can also be used at sufficient strength to insure results without injury to the plants. Dilute 2 pounds to 50 gallons water. **1 lb. pkg. 30c, 4 lb. pkg. 80c.**

ANTROL—Kills Ants in the Nest!

This New Ready-Filled Antrol Set is ready for use. Safe around pets. Simply place the glass feeders along ant trails and the ants carry the Antrol Syrup to their nests for food, quickly killing the queen and the entire ant family. The only way to get lasting relief. **Four Filled Feeders in Handy Package 40c.**

Antrol Traps.....10c

BLACK LEAF 40

For spraying against sucking insects, such as Green and Woolly Aphis, Pear Psylla, Grape Leaf Hopper, Pear Thrip, etc. **1 oz. 35c, 5 oz. $1.00, 1 lb. $2.25, 2 lbs. $3.25, 5 lbs. $5.85, 10 lbs. $10.60.**

BORDEAUX (Powder)

A patented spray safer than ordinary Bordeaux Mixture. Recommended for use wherever a copper fungicide is necessary for the control of plant diseases. Can be used in combination with other spray materials; especially recommended with oil sprays when used in either dormant or summer applications. **1 lb. pkg. 30c, 4 lb. pkg. 65c.**

CALCIUM ARSENATE (Powder)

For use on hardy plants, such as Cotton, Tobacco, Potatoes, Tomatoes and Grapes. Contains a higher percentage of Arsenic Oxide than is contained in Arsenate of Lead. **1 lb. pkg. 25c, 4 lb. pkg. 45c, 24 lb. case $2.50.**

CALCIUM CHLORIDE

Used to allay dust in roadways. **100 lbs. $2.75.**

NEW IMPROVED CERESAN

For treating the seed of small grains, such as barley, oats, wheat, or rye against destructive grain diseases. 2 to 3 ounces are required for one bushel of seed.

1-lb. can 70c, 5-lb. can $3.00.

CARBON DI-SULPHIDE

For the control of insects in wheat and other grains. **5 lbs. $2.50.**

CYANOGAS

Cyanogas is Calcium Cyanide Powder which liberates hydrocyanic acid gas on exposure to air.

"It's the Gas that Kills 'em."

CYANOGAS—A. For killing rats, mice, moles, woodchucks, ground hogs and other rodents. Applied with spoon or dust gun to the runs. **½ lb. 45c, 1 lb. 75c, 5 lbs. $3.00.**

CYANOGAS—G. FUMIGANT. Used for fumigating greenhouses, mushroom houses, flour mills, warehouses, buildings and for grain fumigation. Full directions for use on application. **5 lbs. $3.00, 25 lbs. $10.00, 100 lbs. $25.00.**

Powder Guns for Applying the Above:

Hand size $1.25 **Foot size $7.00.**

COPPER CARB

Recommend for Bunt or stinking smut in Wheat. Use at the rate of 2½ to 3 ounces per bushel.

5-Lb. Package.....90c

COPPER LIME DUST 20-20-60

Arsenate, Copper, Lime.

5 lb. pkg. 60c **50 lb. bag. $3.50** **100 lb. bag $7.00**

COPPER SULPHATE (Blue Stone)

An ingredient used in the making of Bordeaux Mixture. Also used alone as a spray. **1 lb. 20c, 5 lbs. 75c, 10 lbs. $1.25, 50 lbs. $5.00, 100 lbs. $9.50.**

CROW REPELLENT—(Stanley's)

Will absolutely prevent crows and other corn pulling birds and animal pests such as moles, woodchucks, squirrels, etc., from pulling corn. 8 ounces is enough for one bushel of corn. **½ Pt. can 60c, 1 pt. can $1.00. 1 qt. can $1.75c.**

"DOGZOFF"

Dog repellent. Keeps dogs from places where they are not wanted. Protects shrubbery.

3-oz. bottle.....60c

Pt. Can.....$2.50 **Qt. Can**.....$4.00

DRITOMIC SULPHUR

A remedy for Scab and Brown Rot on Peaches. **5 lb. bags, 60c., 50 lb. bags, 10c per lb.**

INSECTICIDES—FUNGICIDES ETC.

E. D. E. (Orchard Brand) NEW PEACH TREE

Borer Control. E. D. E. is an emulsion containing 85% of ethylene dichloride. It brings to the Peach Grower, in convenient form, a new, effective and economical control of the peach tree borer. Experimental work conducted by the United States Bureau of Entomology developed the method and proved its efficiency. The emulsion can be applied either by spraying or pouring. **1 gal. $1.50, 5 gals. $7.50, 30 gal. drum $1.25 per gal., 50 gals. drums $1.00 per gal.**

FISH OIL SOAP

1 lb. 30c. 5 lbs. $1.25 10 lbs. $2.25.

LEMON OIL INSECTICIDE

½ pt. 30c. Pt. 50c. Qt. 85c.
½ Gal. $1.50. Gal. $2.50.

TUBACIDE (Liquid)

A spray material; contains neither lead arsenic nor fluorine. Effective against soft body sucking insects and many chewing insects; especially desirable for use on roses and other ornamentals. Very effective against Mexican Bean Beetle when used 1 to 100. **1-oz 35c, 4-oz. $1.00, 1-qt. $4.00, 1-gal. $12.50.**

TUBACIDE (Powder)

A non poisonous insecticide for dusting on plants, contains no arsenical or other poison. Controls Flea Beetles, Mexican Bean Beetles, and chewing insects attacking ornamental plants. **1 lb. pkg. 35c, 5 lb. pkg. 20c per lb.**

MOLOGEN

For the destruction of moles. Non-poisonous.
½ lb. 50c. 1½ lb. can $1.25 5 lb. can $4.00.

LIME SULPHUR SOLUTION (Liquid)

For Scale on Trees and Shrubs, and such fungus diseases as can be treated in winter or early spring. Also for Leaf Curl on Peaches.

1 gal. can	$ .85
5 gal. can	3.00
10 gal. can	5.50
30 gal. drums, per gal.	.20
50 gal. drums, per gal.	.14

Drums Not Returnable

LIME SULPHUR (Powder)

Used extensively for Scale and Leaf Curl of Peaches. **1 lb. 35c, 12½lb. $1.50.**

MAGNESIUM ARSENATE

For the control of the Mexican Bean Beetle. Use dry or as a liquid spray, 1 pound to 50 gallons. **2 lb. pkg. 60c, 100 lb. drums, $22.00.**

MAGNESIUM ARSENATE DUST

(Prepared ready for use)
4 lb. pkg. 60c. 100 lb. drum $12.00

3% NICOTINE DUST

For Aphids, Red Bug, Pear Psylla, etc. The best contact dust for sucking insects. **100 lbs. $12.50.**

NICO FUME (Liquid)

For use as a spray or vapor, for controlling Green Fly, Aphis, etc., in greenhouses and outdoors. **1 lb. $2.25, 4 lbs. $5.75, 8 lbs. $10.00.**

ROTENONE DUST

For the control of both sucking and chewing insects. Harmless to human beings and animals. Especially recommended for Beeles and Aphis.
1 lb. 25c, 5 lb. 65c, 50 lb. bag $6.00, 100 lb. bag $11.00

NICO FUME PRESSURE FUMIGATOR

It is much more effective than the old loose-piles method. Nico-Fume Powder is now packed in hermetically-sealed cans. It is packed in both ½ lb. and 1 lb. sizes. Two holes are scored, ready to be punched out, on opposite sides near the top of the can. A special lighter (small sparkler) is attached to the can. To operate punch out the two holes—light the sparkler and thrust it into the can through one of the holes. A pound can will fumigate between 25,000 and 30,000 cubic feet of greenhouse space. **½ lb. 45c, 1 lb. 75c, 12-½ lb. cans $4.20, 12-1 lb. cans $7.00.**

PARA-DICHLORO BENZINE. P. T. B.

This is a white crystalline product that gives off a gas that is especially deadly to the Peach Tree Borer and other insects. Apply to the soil around the base of the tree. Full directions on each package. **1 lb. 40c, 5 lbs. $1.50, 25 lb. drum $5.50, 100 lb. drum 20c per lb.**

PARIS GREEN

The strongest and quickest killing arsenical. Used for control of potato bugs, tobacco worms, and many other chewing insects. It may be used in liquid form, 1 pound in 50 gallons of water, or with land plaster at the rate of 1 pound to 100 pounds of plaster. **¼ lb. 18c, ½ lb. 25c, 1 lb. 50c, 2 lbs. 90c, 5 lbs. $2.25, 14 lb. kit $5.00.**

PYROTE

A non-poisonous pyrethrum-rotenone spray. We find this to be a very effective plant spray for killing both sucking and chewing insects. It is fatal to Cabbage Worms, Aphis, Mexican Bean Beetles, Red Spider, Aster Beetles, Chrysanthemum Midge, etc., but it is harmless to humans and animals. No soap or spreader needed. Simply mix with water and spray. **1 oz. bot. 35c, 6 oz. $1.00, pt can $2.00, qt. $3.50, gal. $11.00, 5 gal. $47.50.**

PYROX—WITH NICOTINE

A combined insecticide and fungicide for the control of leaf eating insects, blights and fungus troubles. This is in paste form and need only to be mixed with water. **Bottle 50c. 5 lbs. $1.75, 25 lbs. $5.65, 50 lbs. $9.25.**

RED ARROW SPRAY

The powerful Non-Poisonous Spray, will not stain, burn, or discolor the tenderest leaf or petal. Harmless to man, pets, or birds, but deadly to insects. Effective against Mexican Bean Beetle, Asparagus Beetle, Japanese Beetle, Cucumber Beetle, Cabbage Worms and many other insects.

1 oz. 35c makes 8 gallons
4 oz. $1.00 makes 30 gallons
Pint $2.85 makes 140 gallons
Quart $5.00 makes 280 gallons

RED OXIDE COMPOUND

Increase the crops by protecting them from damping off. Treat the seeds before planting at rate of 1 pound Red Oxide Compound to 10 lbs. seed. **1 lb. pkg. 50c, 5 lb. pkg. $2.00.**

SEMESAN

It destroys the destructive diseases on the seed and protects them from the rots in the soil, which results in increased stands of more vigorous, healthy plants. One ounce will treat from 15 to 30 pounds of seed. **⅓-oz. 10c, 2-oz. 35c, 1-lb. $2.25, 5-lbs. $10.00.**

INSECTICIDES—FUNGICIDES, ETC.

NEW IMPROVED SEMESAN BEL

For Seed Potatoes. The quick dip treatment. It protects seed pieces against rotting and scab, thereby insuring maximum stands and greater yields. Mix one pound with 7½ gallons of water. This will treat from 60 to 80 bushels of seed potatoes. **2-oz. pkg. 25c, 4 oz. 50c, 1 lb. $1.50, 5 lbs. $6.50.**

NEW IMPROVED SEMESAN JR.

For Seed Sweet and Field Corn. Increases crop yields by preventing rot and fungus diseases. 2 ounces will dust 1 bushel of corn. **2 ozs. 15c., 4 ozs. 30c, 1 lb. 75c, 5 lbs. $3.00.**

SLUG SHOT

A non-poisonous powder. It requires no further mixing or preparation; easily applied; not injurious or dangerous to animals; the person applying it, or fruits or vegetables treated. For Potato Bugs, Worms, Caterpillars, etc. **1 lb. pkg. 25c, 5 lb. pkg. $1.00.**

SULCOLOID

A sulphur fungicide of extreme fineness and 95% sulphur content for use against mildews, rusts, and other fungus diseases whenever a sulphur fungicide is required. **6 lb. pkg. 10c per lb., 100 lbs. 7½c per lb.**

SULPHUR DUST or STRAWBERRY DUST 85-15

Contains 15 per cent Dry Arsenate of Lead and 85 per cent Flour Sulphur. A very effective dusting material for Strawberries, Cantaloupes and other Melons. **100 lb. bag $7.00.**

SULPHUR (Powder)

Used principally in greenhouses and also to prevent San Jose Scale. **1 lb. 10c, 5 lbs. 40c, 25 lbs. $2.00.**

TREE WOUND DRESSING—FRAIM'S

Prevents decay, assists healing of all cut and injured bark areas without injury to the cambium. All exposures made in pruning or as the result of an injury should be immediately covered with Fraim's Tree Wound Dressing to prevent decay. **Pt. 30c, qt. 50c, gallon $1.50.**

TOBACCO DUST

A splendid insecticide and fertilizer as well. To prevent Aphis, Fleas, Beetles, etc. Apply with duster. **5 lbs. 25c, 100 lbs. $4.00.**

VOLCK

A spray for the garden, nursery and greenhouse; effectively controls Red Spider, Mites, White Flies, Scales, Mealy Bugs, Caterpillars, Aphis, Thrip, etc.; not only kills the insects but also acts as a repellant. **½ pt. 35c, 1 qt. 75c, 1 gal. $2.00, 5 gals. $7.50.**

WEED KILLER

Used on paths and roadways for the destruction of weeds and grass, dilute 1 to 40. **1 pt. 35c, 1 qt. 50c, gal. $1.50, 5 gals. $6.25.**

1941 PRICE REDUCTIONS

ON
INOCULATION CULTURES
for
Peas, Vetch, Beans, Cow Peas, Peanuts, Mung and Velvet Beans, Lespedeza, and SOY BEANS

Inoculate all Legume Seeds with

NITRAGIN

1898 Forty Three Years of Service 1941

NITRAGIN INOCULATION PRICES

When Ordering, ALWAYS State Name of Seed

ALFALFA, all CLOVERS

Size			Retail
½	bu.	ea.	$ .30
1	bu.	ea.	.50
2½	bu.	ea.	1.00

PEAS (All Varieties)
VETCHES (All Varieties)

½	bu.	ea.	$ .25
1	bu.	ea.	.35
1⅔	bu.	ea.	.55
5	bu.	ea.	1.50
12½	bu.	ea.	3.60

BEANS
String, Wax, Kidney

½	bu.	ea.	$ .25
1	bu.	ea.	.35
5	bu.	ea.	1.50

LESPEDEZA

Size	Retail
Small (Inoculates up to 50 lbs.seed)	$ .45
Large (Inoculates up to 100 lbs. seed)	.65

SOYBEANS, LIMA BEANS, COW PEAS and PEANUTS

Small (Inoculates up to 120 lbs. seed)	$ .30
5 bu. ea.	.58
25 bu. (one can) ea.	2.60
30 bu. (one ctn.) ea.	3.45

(Contains 6-5 bu. cans)

GARDEN SIZE
Garden Peas and Beans
Sweet Peas and Lupines
Enough for 6 lbs. seed
Retail Price 10c each.

BUILD UP YOUR SOIL

Inoculate Your Legumes with NITRAGIN

Inoculate your Legume seeds even tho planted on fields that have been inoculated before. Field tests have shown that better crops are harvested when Legume seeds are inoculated even when planted on fields where inoculated seeds of the same Legume crops had grown the previous year.

INOCULATE WITH NITRAGIN

NITRAGIN is an approved, **moist** humus culture—tested and guaranteed—easy to apply—packed with Billions of fresh legume bacteria. Its high quality makes NITRAGIN inoculation an excellent crop insurance. Directions on every can.

NITRAGIN — the Oldest and Most Widely Used Inoculator in America

All Prices Subject to Change Without Notice

ATTENTION! TOBACCO GROWERS

Control Tobacco Blue Mould by Spraying with Cuprocide —Cotton Seed Oil—Lethane Spreader Mixture, means that plenty of healthy Tobacco Plants will be ready for the field at the right time.

Blue Mold has been controlled, for the way to fight the disease successfully has been found.

Practical growers, under practical conditions, have proved the method during several seasons. Its efficiency has been established. Behind the spraying program was careful research, lengthly experiments, point by point checking and proving. But only the results count, and these results fully justify the recommended program.

BLUE MOLD BRINGS LOSSES AND DELAY

When Blue Mold (Downy Mildew) is severe, plant bed losses may be as high as 90%—a serious shortage—making it necessary for growers to buy their plants at considerable expense. Plants not killed outright are weakened and may not survive if set in the field before they recover from the disease. The delay of several weeks waiting for recovery may bring unfavorable conditions for transplanting, and for harvesting and curing as well.

PLENTY OF PLANTS AT THE RIGHT TIME BY CONTROLLING BLUE MOLD

It is good news for growers that the constant danger of losses and jelay can be prevented—not only effectively, but economically.

WHEN YOU HEAR THE DISEASE IS NEAR START SPRAYING

Do not wait for Blue Mold to appear in your own beds—**prevent** it by spraying promptly—as soon as disease is reported in your area. Spray twice a week and, if rain falls before spray is dry, the application should be repeated as soon as possible. Continue this schedule until Blue Mold has run its course or until plants are ready to be set in the field. Plants may be set any time after spraying. They will grow well, for they will be healthy, vigorous and disease-free.

Use the spray as a preventive measure rather than as a cure. Applied in time, with regularity, the spray will thoroughly protect your plants. Follow with care the directions for spraying. They have been carefully tested many times to produce the best results under varying conditions. Your agricultural advisors will be glad to help you with information and assistance in carrying out your spray program.

THE SPRAY MATERIALS YOU NEED

Three materials are necessary to form the effective spray mixture that will keep your plants free from Blue Mold. Here they are in the correct quantities for 100 gallons of spray;

1 lb. CUPROCIDE—The Standard Red Copper Oxide.
1 gal. Cottonseed Oil (Refined if possible).
2 qts. LETHANE SPREADER.
Enough water to make 100 gallons.

MIXING THE SPRAY

Measure **accurately** the proper quantities of CUPROCIDE, cottonseed oil and LETHANE SPREADER into separate containers.

1. Add just enough of the measured LETHANE SPREADER to the CUPROCIDE to make a paste.
2. Pour the cottonseed oil and the remainder of the LETHANE SPREADER together and stir thoroughly. Add one to two gallons of water. By use of a bucket pump with a nozzle attached, pump the mixture of cottonseed oil, LETHANE SPREADER and water into another bucket. This breaks up the oil into small particles and assures an even mixture. Merely stirring with a paddle will **not** give a satisfactory mixture—that is, one that is milky white in appearance and without drops of oil on the surface. When properly mixed, pour into spray tank 2/3 full of water.
3. Mix the CUPROCIDE paste with a little water and add to the spray tank. Add water to make the desired volume of spray in the tank.
4. Keep the spray mixture well agitated during mixing and while spraying. **The mixture should not be made until just before spraying.**

QUANTITIES OF MATERIALS NEEDED FOR DESIRED AMOUNT OF SPRAY

	2½ Gals.	10 Gals.	50 Gals.
Cuprocide	½ oz.	1½ oz.	8 oz.
Lethane Spreader	1½ oz.	6 oz.	1 qt.
Cottonseed Oil	3 oz.	12 oz.	2 qt.

When measuring Cuprocide—5 level teaspoonfuls=1 oz.
When measureing Lethane Spreader or Cottonseed Oil 2 tablespoonfuls or 6 teaspoonfuls=1 oz.
16 ounces—1 pint 32 ounces—1 quart

S. E. C. OIL

SPREADER — STICKER

Use in place of cotton seed oil and Lethane Spreader.

½ gal. $1.35 1 gal. $2.30
5 gals. $11.00

APPLYING THE SPRAY

Use spray rod about 6 feet long. Keep the nozzle in motion about 1 foot above the plants, moving it slowly. Use an angle nozzle, if possible, and direct it so that exposed leaf surfaces are covered. Apply spray in a fine, driving mist; plants should not be drenched. Do not spray when leaves are wet. When plants are small, 25 to 30 gallons of spray will be enough to cover 1000 square yards of bed surface (2½ to 3 gallons per 100 square yards). If covers are well above beds, they may be left on during spraying, but doing so requires 1/3 more spray. When plants rise above ground, however, covers should be removed during spraying and more spray will be necessary as the plants grow.

PRICES

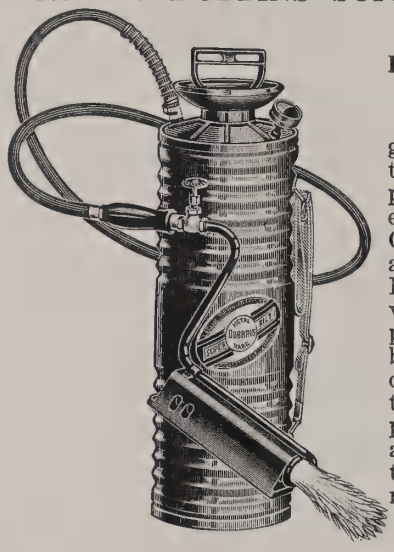
Cuprocide		Lethane Spreader	
4 oz.	35c	1 qt.	75c
1 lb.	90c	1 gal.	$1.80
5 lbs.	$4.00	5 gals.	8.50

Cotton Seed Oil

Gallon $1.25

The Spray Pumps Most Desirable For This Character of Work Will Be Found On Pages 73-74.

No. 210 DOBBINS SUPERBILT FLAME SPRAYER



Burns-Heats-Disenfects Sterilizes

Provides an outfit of great service and utility to the farmer, rancher, poultry raiser, home owner, estates, Railroads, Contractors, Highway and Street Departments, Repair Shops, etc. Develops 2000° F. of easily portable heat that can be directed at the will of the operator. The intense heat disenfects and prevents many poultry and animal diseases, kills the germs and burns all rubbish. Capacity 4 gals.

Price $15.50

GALVANIZED WATER POTS

4 quart	$ .65
6 quart	.75
8 quart	.80
10 quart	.90
12 quart	1.10
16 quart	1.15

If wanted by Parcel Post add **25c each** to above prices.

RURAL MAIL BOX

Top and Sides—Made of No. 20 gauge galvanized steel, with beading reinforcements, front edge curled and wired.

Door—Made of No. 18 gauge galvanized steel, the bottom edge doubled back upon itself for a distance of three inches. Hinged to the bottom with two heavy 6 inch steel galvanized "T" strap hinges. Swings downward freely and operates with ease. Fits snugly over the curled edge of opening and is weather proof.

Bottom—Made of No. 20 gauge galvanized steel and is framed into a reinforced construction consisting on sides and bottom of 1"x1..16" strap steel and on the front section of 1 inch angle iron.

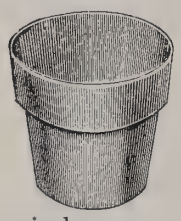
Inside Measurements—23⅛ inches long, 13¼ inches high, 11 inches wide.

Weight 30 pounds packed.

Price **$2.75**

No. 1 Small Mail Box, 18¾ inches long, 6¾ inches wide, 8¾ inches high. **Price** **$1.25**

EARTHENWARE FLOWER POTS



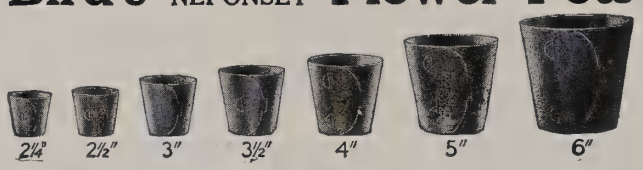
Width inside	Each	Doz.	100
2 inch	$ .03	$ .20	$1.35
2¼ inch	.03	.22	1.50
2½ inch	.04	.25	1.75
3 inch	.05	.30	2.00
4 inch	.05	.45	3.25
5 inch	.08	.85	5.50
6 inch	.11	1.25	8.00
7 inch	.18	2.00	13.50
8 inch	.28	3.00	19.00
9 inch	.40	4.00	28.00
10 inch	.55	5.50	40.00
12 inch	1.15	12.00	
14 inch	1.50	15.00	

EARTHENWARE SAUCERS

Width inside	Each	Doz.	100
4 inch	$ .04	$ .40	$2.75
5 inch	.05	.50	3.75
6 inch	.07	.75	5.00
7 inch	.09	1.00	7.00
8 inch	.12	1.25	9.00
9 inch	.15	1.50	11.00
10 inch	.18	1.75	13.00
11 inch	.30	3.00	21.00
12 inch	.35	3.50	23.00
14 inch	.40	4.00	24.00

We cannot pack Earthenware Pots and Saucers for Parcel Post.

Bird's IMPROVED NEPONSET Flower Pots



NEPONSET FLOWER POTS (Red)

The paper from which these pots are made is water-resistant and will stand up under reasonable moisture conditions for several weeks. Used extensively in greenhouses and hot beds for starting seeds and seedlings.

	Doz.	100	1,000
2 inch	$ .07	$ .45	$3.30
2¼ inch	.08	.50	3.60
2½ inch	.10	.60	3.70
3 inch	.15	.70	4.05
3½ inch	.20	.90	5.40
4 inch	.25	1.15	6.55
5 inch	.30	1.50	8.75

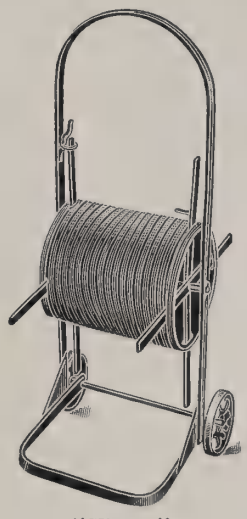
NEPONSET GREEN POTS

Made of tough, waterproof paper eliminating breakage. Research has proved that this new pot encourages maximum growth. The walls of the pot are non-porous and promote a more even distribution of moisture and a better ramification of root growth than porous pots. The plants are grown from seed to maturity, sold and transported in the one Green Pot. Every grower of plants, large or small, can reduce his growing transplanting, storage and shipping costs by using Neponset Green Flower Pots.

	Doz.	100
2¼ inch—1000 to case	$ .20	$ .80
2½ inch " " "	.25	.85
3 inch " " "	.30	.90
3½ inch " " "	.35	1.40
4 inch " " "	.40	1.55

Plant the "New Early Red" Tomato see page 25

HOSE REELS



"Victor"

The "**Victor**" **Reel** is constructed with channel steel frame; strong, cast iron wheels; solid steel reel arm and 9-inch drum of heavy corrugated steel. Equipped with a ring on side of frame to prevent, when desired, the reel from unwinding; and with adjustable clip at top of frame for holding nozzle when spraying.

Frame enameled green, wheels and reel rack black, making a very attractive appearance.

Weight 12½ pounds, bundled for shipping. Capacity 75 feet of ¾ inch rubber hose. **Price, $1.50.**

No. 2—Same as above except that it is heavier, stronger and of larger capacity. Also has an adjustable hose holder at top of frame which holds the nozzle in any position while spraying.

Weight 15 pounds, bundled for shipping. Capacity 100 feet ¾ inch rubber hose. **Price, $3.00.**

WATER AND SPRAY HOSE

Molded Non-Kink Type

	Per Ft.
½ inch, 2 Braid Amazon	$ .09
⅝ inch, 2 Braid Amazon	.10
¾ inch, 2 Braid Amazon	.10½
½ inch, 3 Braid High Pressure Spray Hose	.21
¾ inch, 2 Braid Country Club	.15

25 and 50 foot lengths Coupled Free

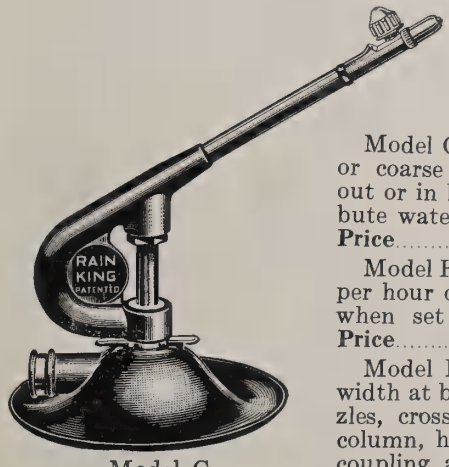
We can supply from Stock the following sizes:
Water Hose, 1 in., 1¼ in., 1½ in., 2 in., 2½ in., 3 in.
Suction Hose, 1 in., 1¼ in., 1½ in., 2 in., 2½ in., 3 in.
Steam Hose, ½ in. to 2 in.

Prices on Application

ADJUSTABLE HOSE NOZZLE

Made of brass, nothing to get out of order. Can be adjusted to three different streams. For ¾ inch Hose. **Price, 50c, by Parcel Post 58c.** Rain King Nozzle **75c, by Parcel Post 83c.**

RAIN KING LAWN SPRINKLERS



Model G

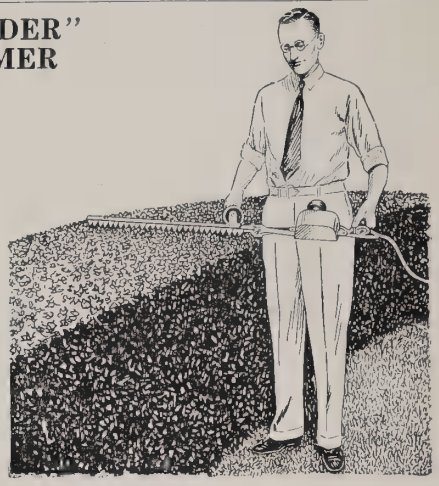
Model G. Adjustable to fine or coarse spray, close-in, far-out or in between. Will distribute water over 65 foot circle. **Price**.....$3.95

Model H. Sprays 300 Gallons per hour on 20-pound pressure when set for misty spray. **Price**.....$3.75

Model D. Height 9 inches; width at base 7¼ inches. Nozzles, cross-arms, double water column, hand lock wheels and coupling, all brass. Other parts red enamel. **Price**.....$2.85

"LITTLE WONDER" HEDGE TRIMMER

One hour of pleasant recreation in the cool evening with the "Little Wonder" accomplishes as much as laboring all day in the hot sun with hand shears.



Electric Models

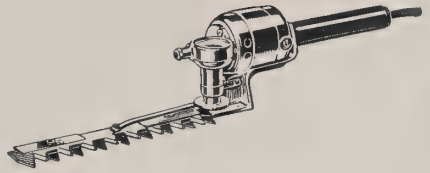
27 inch Junior with 15 feet of wire	$55.00
36 inch Senior with 15 feet of wire	100.00
60 inch Senior with 15 feet of wire	105.00
High Quality Underwriter's Approved Rubber Covered Wire	
100 foot lengths	$ 4.50
Handy Reel for 100 or 200 ft. lengths wire	1.00

Hand Models

30 inch size	$27.50
40 inch size	30.00
60 inch size	35.00
Side Cutting Carriage Optional	5.00

Use with 30 and 40 inch sizes

NEW DUMORE ELECTRIC HEDGE TRIMMER



COSTS NO MORE THAN A GOOD LAWN MOWER.

No other Hedge Trimmer has all these Features

Reciprocal-radial action of blades assures clean cutting of tender twigs.

Perfectly balanced; less vibration; less noise.

Exceptionally light weight—only 3¾ lbs.

Entire length only 18½ inches; cutting width 9 inches.

Only $20.50

Prices—Rubber Covered Extension Cord

30 ft. $2.00 **50 ft. $3.25** **100 ft. $6.00**

National Eezy Wear Garden Gloves

for Men and Women

Here's a new and increasingly popular type of garden glove—specially designed to give finger freedom and complete protection.

All-Leather — DIRT-PROOF
SOFT AS KID — Extra Pliable

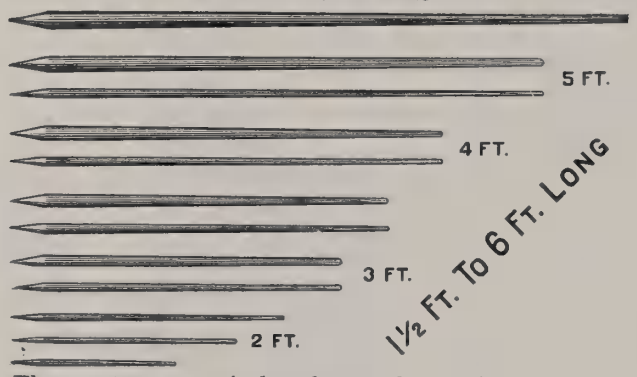
Made from select imported leather specially processed to render it amazingly **soft** and **pliable**—as well as durable. Permit almost barehand freedom with perfect comfort, yet insure **complete protection** from dirt, scratches, bruises, stains. Keep the hands in perfect condition.

Economical—outwear 6 pairs of ordinary fabric gloves and are useful for other home duties the year round— **Housework, Painting, Yard, Furnace, Garage, etc.**

WASHABLE!

Sizes for women: "Small," "Medium," "Large"—for men: "Medium" and "Large." Price, 75 cents a pair (2 pairs, $1.40,) postpaid.

PLANT STAKES



The most symmetrical stake on the market. Tapering painted green.

Light Stakes

	Each	Dozen	Per 100
1½ feet long	$ .03	$ .25	$1.75
2 feet long	.04	.40	3.00
2½ feet long	.06	.60	4.25
3 feet long	.08	.75	5.75

Heavy Stakes

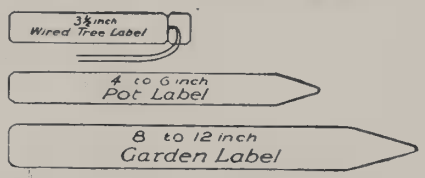
	Each	Dozen	Per 100
3 feet long	$ .12	$1.15	$9.00
3½ feet long	.14	1.35	10.00
4 feet long	.15	1.55	11.50
5 feet long	.20	2.25	15.00
6 feet long	.25	2.50	17.90

CALIFORNIA REDWOOD PLANT STAKES

Made Square. Not Tapered.

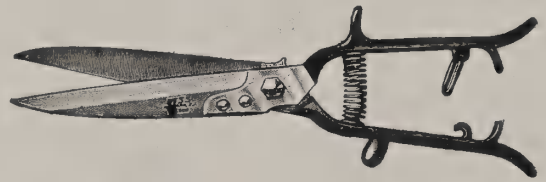
		Each	Dozen	Per 100
3 feet long	13/16x13/16	$ .04	$ .40	$3.00
4 feet long	13/16x13/16	.05	.50	3.75
5 feet long	13/16x13/16	.07	.75	5.50
6 feet long	13/16x13/16	.08	.85	6.50

POT AND TREE LABELS



	Per 100	Per 1000
4 x ⅝ inch, Painted	$ .30	$2.00
4½ x ⅝ inch, Painted	.35	2.10
5 x ⅝ inch, Painted	.40	2.25
6 x ⅝ inch, Painted	.45	2.65
3½ inch, Copper Wired	.35	2.45

GRASS SHEARS



This shear will meet the requirement of those desiring a "Real" shear. Handles slightly raised to prevent knuckles from scraping the ground. Brass spring. Length 12½ inches. **Price $1.50, by Parcel Post $1.60.**

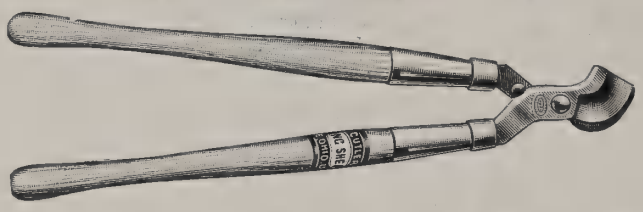
GRASS SHEARS

No. 346	$ .50, by Parcel Post	$ .60
No. 358	.75, by Parcel Post	.85
No. 2000	1.00, by Parcel Post	1.10

No. 230 CRONK TREE PRUNER

Made of the highest grade tool steel, carefully tempered and ground, hard wood handles, 24 inches long, 29½ inches over all; heavy ferrule; heavy blades for heavy work. Weight 3 pounds 11 ounces. Blades tapered off to point to allow cutting in close places. **Price $2.75, by Parcel Post $2.90.**

No. 5406 CLYDE PRUNING SHEAR



Forged solid tool steel blade and hook and positive shear cut. **Handles**—Northern second growth Ash polished 4-inch pressed steel ferrule and cap.

Price:

20 inch Handle	$1.75, by Parcel Post $1.95
24 inch Handle	2.00, by Parcel Post 2.20

V. 129

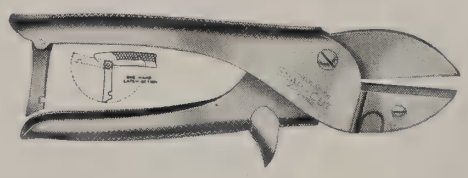
VILLAGE BLACKSMITH PRUNING SHEARS

These shears are made from the best quality tool steel. Carefully tempered. Ground and set to cut and shear perfectly. If wanted sent by parcel post, add 10c each to the following prices:

V. 129—9 in.	$ .65
V. 179—9 in.	1.00
V. 139—9 in.	1.50
V. 149—9 in.	1.75
V. 21—9 in.	2.15

V. 21

SNAP CUT PRUNERS



The Keen "V" shaped blade cuts onto a soft metal anvil with an easy slicing action that cuts through large, tough branches with surprising ease and smoothness. All parts easily replaceable at small cost.

No. 119—8 inches long	$2.00
No. 118—6 inches long, Ladies Size	1.50
No. 128—6 inches long, with flower picking device	1.75

HEDGE SHEARS

PROGRESS (With Notch)

Extra high polished blades. High grade steel.

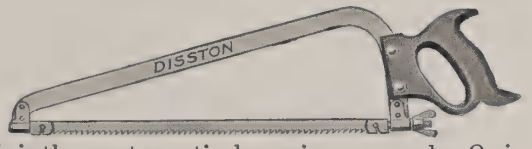
	8 in.	9 in.	10 in.
No. A101	$1.50	$1.75	$2.00

NEVERSLIP

Blades are notched every inch to make a powerful shear, For light or heavy growth.

	8 in.	9 in.	10 in.
No. A 102	$2.00	$2.25	$2.50

DISSTON PRUNING SAW

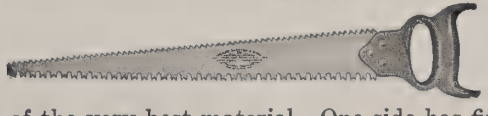


This is the most practical pruning saw made. Owing to its peculiar shape, being tapered off to a point permits cutting in between the limbs. The blade is adjustable and will cut at any angle desired and can be removed to replace a new one. Made of the best quality steel.

Price.....**$2.00, by Parcel Post $2.15**

Extra Blades **40c, by Parcel Post 45c.**

DOUBLE EDGE PRUNING SAW

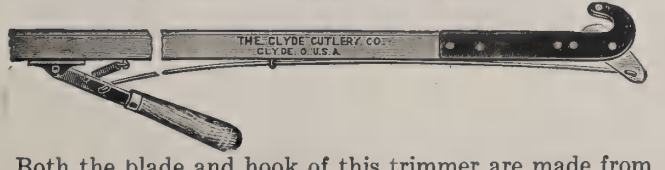


Made of the very best material. One side has fine teeth and the opposite has coarse teeth.

Price:

16 inch	**$1.35, by Parcel Post $1.45**
18 inch	**1.50, by Parcel Post 1.60**
20 inch	**1.75, by Parcel Post 1.85**

No. 5407 TREE TRIMMER



Both the blade and hook of this trimmer are made from the best tool steel, firmly riveted to selected Basswood handles. The sides of the hook extend down on to the handle for 6½ inches, making a firm bearing and an unusually strong connection with the pole.

Price:

6 feet	$1.75	12 feet	$2.40
8 feet	2.00	14 feet	2.60
10 feet	2.20	Extra Blades	.20

The above tree trimmers are all on long handles and cannot be sent by Parcel Post.

ASPARAGUS BUNCHER

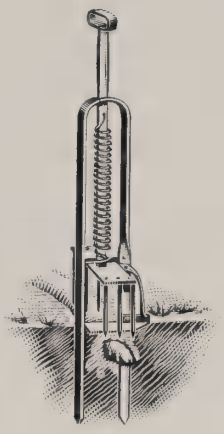
To sell asparagus to the best advantage, it must be packed right and unless you have a good buncher your bundles will not be uniform. This buncher is made of good material throughout, is adjustable for length and thickness, making a neat, compact, and uniform bundle.

Price, $4.50

ASPARAGUS KNIVES

Made of steel. Point specially made for cutting asparagus.

Price, 40c each



REDDICK MOLE TRAP

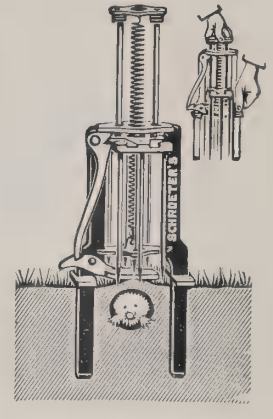
Reddick Traps sound "taps" for Mr. Mole and his burrowing family.

Extensively used in public or private parks, farms, schools, colleges, cemeteries, etc.

Entire Trap Double Tinned. Rust-Proof. **Price $1.25, by Parcel Post $1.35.**

SCHROETER No. 1 IMPROVED SELF SETTING MOLE TRAP

Frame is made of malleable iron. Prongs are of tool steel. High tension spring. Especially adapted for setting in hotbeds. Just pull up spring and the lever drops into position and trap is set. **Price $1.75, by Parcel Post $1.85.**



GRAFTING WAX

For use in grafting trees, and for tree wounds. ¼ **lb. 20c,** ½ **lb. 30c, lb. 50c.**

WIRE FRUIT PICKER

Well made and durable. Fruit can be picked without bruising. Made of No. 12 copperized wire. Will not rust. Price less pole **50c, by Parcel Post 60c.**

TIE YOUR PLANTS WITH 'TWIST-EMS'

'Twist-ems' are dark green strong tapes with wire reinforcing that make perfect plant ties with a twist of the wrist. For plants, vines and arranging flowers.

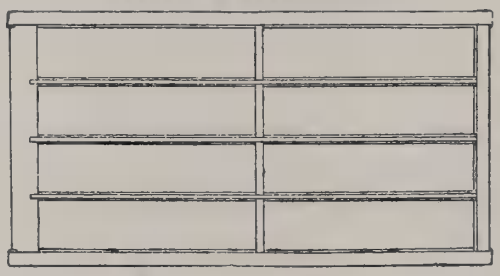
Box of 125, 8 Inch Size.....**25c**

Box of 250, 4 Inch Size.....**25c**

WIRE PLANT TIE

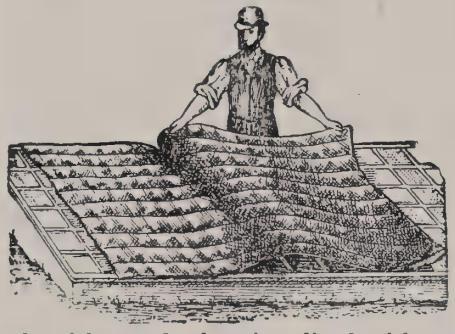
Takes the place of twine; can be used more quickly and many times. 1000 Ties in package, **$2.00, by Parcel Post $2.15.**

HOT BED SASH



Made of the best white pine, well mortised and perfectly clear of knots. Two sizes to hold either 24 or 28 8 x 10 panes.
Price of Either Size, Unglazed.....**$1.75 each**
Hot Bed Glass, 8 x 10, per box of 90 panes.....**$3.00**

HOT BED MATS

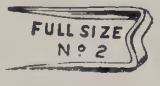


Made of heavy burlap, interlined with wool.

	each
40 x 76 inches to Cover One Sash	**$1.75**
76 x 76 inches to Cover Two Sashes	**2.75**

Special Price by the Dozen

PEERLESS GLAZING POINTS



Simple and positive. No rights or lefts. **Per 1,000 75c, by Parcel Post 85c.**

GERMACO HOTCAPS

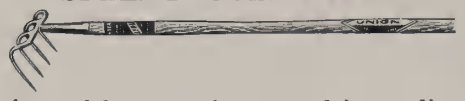
For earlier and more profitable crops, use Hotkaps. They also offer protection against insects.

Pkg. of 25—Complete with Paper Setter	$ .50
Pkg. of 100—Complete with Garden Setter and Tamper	2.75
Pkg. of 250—Complete with Garden Setter and Tamper	4.00
1,000 Hotkaps only	10.75
5,000 Hotkaps—per 1,000	10.50
10,000 Hotkaps—per 1,000	10.25
Steel Setter and Tamper	1.50
Garden Setter Alone	.50
Steel Tamper Alone	.25

VICTORY GARDEN CULTIVATOR

A very handy garden tool. Strong and durable.
No. VC3—4 foot Handle, 3 Adjustable Steel Blades **$1.00**
No. VC5—4⅓ foot Handle, 5 Adjustable Steel Blades **$1.25**

SPEEDY CULTIVATOR



A superior tool for preparing ground for seeding and cultivating after the planting is done. 4 tines. 4⅓ foot handle with riveted shank. Width across tines 5 inches and will dig to depth of 5 inches. No. 4-S.C. **Price $1.00.**

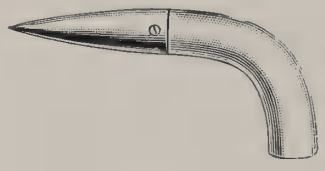
GARDEN TROWELS

No. D.S.G.T.—As illustrated. Forged from one solid piece of bar steel. Solid socket. Blades 6 x 3½ inches. Handles 6 inches long. **Price, 75c, by Parcel Post, 83c.**

No. 809—Kingsbury All Steel Trowel. Blade 6¼ x 3 inches. Steel handle. **Price 25c, by Parcel Post 33c.**

No. 8111—English Stainless Steel Trowel, 3½x6 inches. Blade, wood handle, **Price $1.75, by Parcel Post $1.83.**

No. **8105**—English Socket, Wood Handle Trowel, 3x6 in. Steel Blade. **Price 50c, by Parcel Post 58c.**

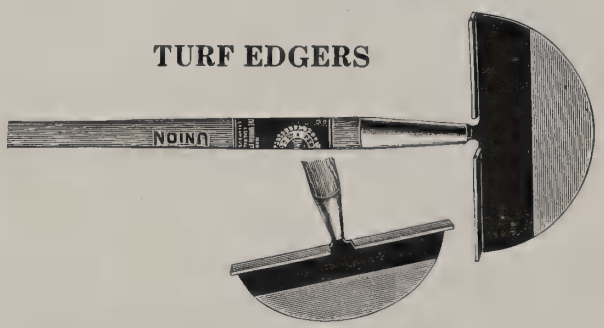


DIBBLES

No. 218—Right Angle. Wood handle. Steel point. **Price 75c, by Parcel Post 85c.**

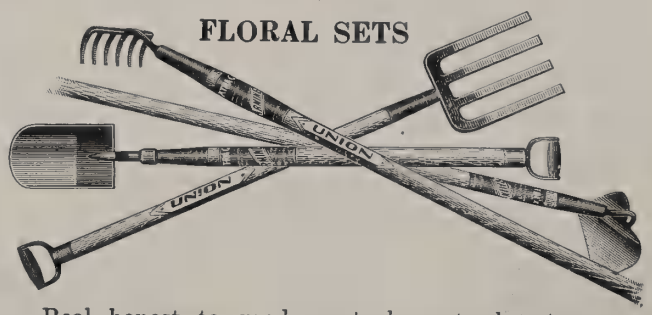
Steel Points only for No. 218 Dibbles 40c.

TURF EDGERS



No. S. T. E.—Polished steel blade. Solid shank. 4-foot handle. Bronze finish. **Price $1.00.**

FLORAL SETS



Real honest to goodness tools, not play toys.

No. 3FS—3 pieces, Shovel, Hoe and Rake. **Price per set $2.25.**

No. 4FS—4 pieces, Shovel, Hoe, Rake and Spading Fork. **Price per set $2.75.**

MANURE FORKS--LIGHT

No.	Tines	Armorlock Ferrule	Handle	Price
S 44	4—12½ in.	"	4 ft.	1.50
S 44½	4—12½ in.	"	4½ ft.	1.60
RHS 44	4—12½ in.	"	4 ft.	1.25
RHS 44½	4—12½ in.	"	4½ ft.	1.35
S 54	5—12½ in.	"	4 ft.	1.60
S 54½	5—12½ in.	"	4½ ft.	1.60
A 44—4 Tine Flex-Beam				1.65
A 44½—4 Tine Flex-Beam				1.75

MANURE FORKS--HEAVY

No.	Tines	Ferrules	Width at Center	Space Between Tines	Price
EHDM 4	4–16 in.	Strap	10¾ in.	3 in.	$3.00
EHDM 5	5–16 in.	"	11½ in.	2¼ in.	3.50

ENSILAGE OR BARN FORKS

No.	Tines	Ferrule	Width at Center	Space between Tines	Price
E 6	6–15 in.	Strap	12 in.	2¼ in.	2.75
E 8	8–16 in.	"	12¾ in.	1⅝ in.	3.00
E 10	10–16 in.	"	15 in.	1½ in.	3.25

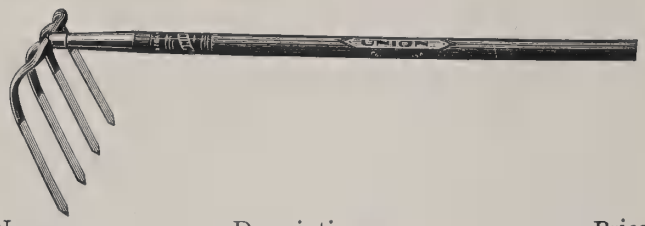
THREE TINE HAY FORKS

No.	Tines	Ferrule	Handle	Price
RHSB 34	3–12 in.	Strap	4 ft.	$1.00
RHSB 34½	3–12 in.	"	4½ ft.	1.00
RHSB 35	3–12 in.	"	5 ft.	1.15
RHSB 35½	3–12 in.	"	5½ ft.	1.15
RHSB 36	3–12 in.	"	6 ft.	1.25

SPADING FORKS

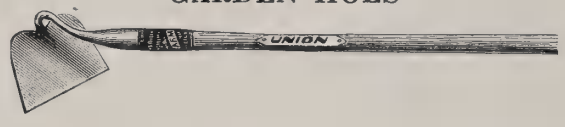
No.	Tines	Ferrule	Handle	Price
SALD—Light	4	Strap	30 in. Bent	$1.50
JSAD—Jumbo	4	"	30 in. Bent	1.75
E4DSD—English Digging			30 in. Bent	2.00

POTATO HOOKS



No.		Description		Price
4BOL	Light	Four 6½ in. Tines.	Width 6 in.	$1.00
5BOL	Light	Five 6½ in. Tines.	Width 6½ in.	1.15
4BOH	Heavy	Four 9 in. Tines.	Width 7½ in.	1.15
5BOH	Heavy	Five 7 in. Tines.	Width 8 in.	1.30

GARDEN HOES



No. YSG—Socket. Polished Blade, 6, 7 and 8 inches	$1.00
No. RHSG—Socket. 6, 7 and 8 inch blade	.90
No. NM3—Mattock Hoe. Blade 3 inches on one side, 1½ inches on opposite side	1.00
No. SPW—Single Point Weed Hoe	.50
No. 2PW—Two Point Weed Hoe	.50
No. IGH—7 in. Grading or Italian Hoe	2.00
No. YST—8½ in. Tobacco	1.25
No. YST 9 in. Tobacco	1.35

STEEL GARDEN RAKES

No.	Description		Price
S14	14, 3¼ in. Straight Teeth.	Width 14¾ in.	$1.10
S16	16, 3¼ in. Straight Teeth.	Width 17 in.	1.20
S18	18, 3¼ in. Straight Teeth.	Width 19¼ in.	1.25
SC14	14, 3¼ in. Curved Teeth.	Width 14¾ in.	1.10
SC16	16, 3¼ in. Curved Teeth.	Width 17 in.	1.20
B14	14, 3¼ in. Curved Teeth.	Width 15 in.	1.25
B16	16, 3¼ in. Curved Teeth.	Width 17 in.	1.35
RHLS12	12, 2¾ in. Straight Teeth.	Width 11¾ in.	.60
RHLS14	14, 2¾ in. Straight Teeth.	Width 13⅞ in.	.65
RHLS16	16, 2¾ in. Straight Teeth.	Width 16 in.	.70

LAWN COMB RAKES

The flexible, flat steel teeth have rounded ends which will not dig in and injure the grass or tender roots. Every tooth touches the ground with slight pressure.

No.	Number of Teeth	Length of Teeth	Width at Points	Price
L.C.18	24	8 in.	18 in.	$1.00
L.C.24	24	9½ in.	24 in.	1.35

LONG HANDLE SHOVELS

No. 903—Ingersoll No. 2 High-Carbon Round Point Long Handle Shovel 1.35
Silver Special No. 2 Round Point, Long Handle Shovel 1.00
Hi-Quality, No. 2 Round Point, Long Handle Shovel 1.25
No. 803—Red Flash No. 2 Round Point Long Handle Shovel 1.50

D-HANDLE SHOVELS

Ames No. 4 D-Handle Square Point $2.00
Ames No. 5 D-Handle Square Point 2.25
No. 982—No. 5 Ingersoll D-Handle Scoop 1.50
No. 982—No. 6 Ingersoll D-Handle Scoop 1.65
No. 6—Jumbo Wood D-Handle Square Point Shovel 1.50

LONG AND SHORT HANDLE SPADES

Ames No. 2 D-Handle $2.25
Ames No. 2 Long Handle 2.25
Hercules No. 2 D-Handle 1.50
Hercules No. 2 Long Handle 1.50

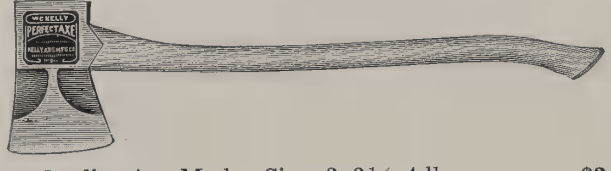
MATTOCKS

Best Quality, without Handle, 5 and 6 lbs. $1.00
With Handle 1.25

HAY KNIVES

LIGHTNING HAY KNIFE—$2.00.
AMERICAN (Sickle Edge)—Can be adjusted right or left hand. **$2.00.**

KELLY PERFECT AXE

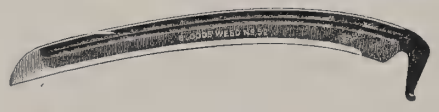


Best Quality Axe Made. Sizes 3, 3½, 4 lb. $2.25
4½, 5, 5½ lb. 2.50
Handled complete with 32 inch best hickory handle.

GRASS HOOKS

No. 2 English Riveted Back ..... $ .65
No. 3 English Riveted Back ..... .75
No. 4 English Riveted Back ..... .85
No. 7 American ..... .50
Little Giant Long Handle Grass Hooks 1.00

GRASS AND BUSH SCYTHES



English T. Waldron, 30 to 32 inches $2.75
English T. Waldron, 34 to 36 inches 3.00
30 in. to 34 in. Grass—Swedonian 1.50
26 in. to 28 in. Weed—Swedonian 1.60
18 in. to 22 in. Bush—Swedonian 1.60
No. 4—32 inch, Austrian (English Pattern) 2.50
No. 46—32 inch, Austrian 2.50
No. 96—32 inch, Austrian 2.25

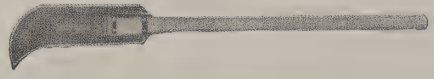
SCYTHE SNATHS

No. 55—Patent Loop Grass Snath $1.50
No. 105—Patent Loop Bush Snath 1.50
No. 100—Two-Ring Bush Snath 1.60

SCYTHE STONES

Round English ..... 25c by Parcel Post 35c
Darby Creek ..... 20c by Parcel Post 30c

BUSH CUTTING TOOLS



For cutting weeds, brush and bushes. Thin, keen cutting blades or highest quality.

Briarchaser. Sharpened on Hooked Edge Only $2.00
Weedslugger. Sharpened all around 2,25
Bushwakker. Sharpened all around 2.50
Brushkiller. Heavy. Sharpened all around 3.00
Axe Handle Bush Hooks: Light $1.75 Heavy $1.85

MECHLING'S EGG PRESERVATIVE

Will keep Eggs in good condition three or four months. Store your eggs for the winter by this method. 1 quart will make three gallons solution, sufficient to preserve twenty dozen eggs. **1 qt. can 30c, 1 gal. can $1.00.**

PRATT'S ROOF PAINT

Contains Nicotine compound. Just paint it on the roosts. Will kill lice and mites. One half-pint can sufficient for 240 feet of roost. **½-pt. can 85c, 1-pt. can $1.50, 1-qt. can $2.25.**

WALKO TABLETS

Especially valuable for diarrhea and loose bowl trouble among incubator chicks. They tend to prevent digestive distrubances and should be given in all drinking water from the time the chicks are out of the shell. Also recommended for swellings of roop in the head and simple catarrh among older birds. **Price postpaid small size 50c large size $1.00.**

KOW KARE

For over thirty years "The Great Cow Medicine," its value and appreciation is attested by an ever-increasing demand among dairymen and breeders. It is unexcelled as a general tonic for the herd that is under the severe strain of forced production and the abnormal conditions of long winter stabling and dry feeding. It cures abortion, barrenness, scours and caked udders, removes retained afterbirth, etc. It increases the milk flow. For cows only.

Small Size.....$ .65
Large Size..... 1.25

BAG BALM

A soothing, penetrating ointment, especially adapted for all diseases of the cow's udder. Reduces inflammation, allays irritation and local congestion and softens the tissues. For caked bag, garget or swollen udders following calving or high feeding. It promotes healing of cracked chapped skin and minor cuts; makes the teats soft and pliable. **Price 60c.**

PRATT'S C-KA-GENE

New Discovery . . . Pratt's C-Ka-Gene . . . Stops heavy losses from Bloody Coccidiosis by new IMMUNITY method. It is a flock treatment given in the feed.

50 Chick size.....**75c.** 100 Chick size.....**$1.25**

ONE SPOT FLEA KILLER

One Spot Flea Killer will kill all the fleas on a dog or cat even if applied only on one spot as large as the animal's footprint. It does not repel fleas; it kills them. Application once a week is positive insurance against the dog's arch enemy, as it will kill any flea that lands on him before it can start raising a family and colonizing. **Price 25c and 50c.**

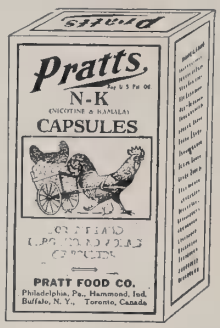
PRATT'S POULTRY REGULATOR

The varied mineral elements of this preparation are principal ones found in the muscles, feathers, nerves, beak, bones and eggs. Since feeds are frequently deficient in some of these minerals, Pratt's Poultry Regulator acts as a desirable supplement to the diet. In addition there is embodied in Pratt's Poultry Regulator a carefully selected combination of natural vegetable products which serve as tonics, appetizers, stomachics, carminatives and aromatics.

Pkgs. 25c and 55c 12½ lb. pkg. $1.60 25 lb. pail $2.85.

PRATT'S N-K CAPSULES (For Poultry Worms)

N-K Tablets contain nicotine and Kalama in the proper therapeutic dose. These two vermifuges are most highly recommended by all leading authorities.



ADULT SIZE—50 tablet pkg. 85c, 100 tablet pkg. $1.50, 500 tablet pkg. $5.50, 1000 tablet pkg. $10.00.

CHICK SIZE.—50 tablet pkg. 55c, 100 tablet pkg. $1.00, 500 tablet pkg. $3.75, 1000 tablet pkg. $6.50.

PRATT'S DISINFECTANT

Three times as powerful as crude carbolic acid. A sure deodorizer, germicide and liquid lice killer. Use it in roup, colds and other contagious diseases.

Quart..... **.50**
½ Gallon..... **.85**
1 Gallon..... **1.45**
5 Gallon Drums..... **6.50**

PRATT'S POULTRY WORM POWDER

Highly recommended by leading poultrymen. Worms in poultry are one of the greatest menaces to the poultry raiser. Worms sap the vitality and reduce the egg-laying capacity. **Pkg. 75c.**

PRATT'S POWDER LICE KILLER

For dusting in the nests, dust baths or on the poultry for the destruction of poultry lice. Put up in sifter top packages. **25c and 50c.**

BLACK LEAF 40

For delousing poultry and poultry houses. Just paint the roosts; thats all. **1 oz. bottle 35c, 5 oz. bottle $1.00.**

DR. BLACKMAN'S MEDICATED LICK A BRICK

A medicated salt brick for horses, mules, cattle and sheep. It is the "common sense way to give medicine to stock." because you don't mix the medicine with the feed; because it supplies stock with salt as needed in addition to medicine and uniform salting is more important than medicine. Just drop a brick in the feed trough and the stock will do the rest. **Price 25c, each.**

IMPROVED CEDAR CYLINDER CHURN

Made of selected cedar free of knots.

No. 1—2½ gals.....$4.50
No. 2—4 gals..... 5.25
No. 3—7 gals 6.00
No. 4—10½ gals..... 6.75

WELLS, RICHARDSON & CO.'S BUTTER COLOR

The best Butter Color on the market. Small bottle, colors 500 lbs., **35c**; large bottles, **65c and $1.00.**

FLOATING DAIRY THERMOMETERS

8 inch.....**Price 50c; by P. P. 55c**
8 inch Flange Thermometer, stands boiling water.....**$1.25 by P. P. $1.35.**

ASEPTIC MILKING TUBES

For Cows with Sore Teats

Insert one in the teat and the milk will flow.

Self Retaining Tube 40c Postpaid
Plain Tube 30c Postpaid

MILK BOTTLE CAPS

Package 500.....**45c**
1,000.....**80c**

PARCHMENT BUTTER PAPER

We handle only the very best quality cut in the following sizes: 6x9 for ½ lb. prints. 9x12 for 1 lb. prints. 10x15 for 2 lb. prints. Price per pound **30c**; by P. P. **38c**; Price per 5 pounds **$1.40**; by P. P. **$1.52.**

PUSH BROOMS

Designed for cleaning stable floors, gutters, etc. Made of good strong fibre; bristles so placed as to make it impossible for them to pull out. Prices, less handle, **75c**; with handle, **$1.00.**

KANT-SUK CALF WEANER

Light, strong and humane—cannot possibly injure cow or calf. Being made with a hinge joint, it swings out of the way when calf eats or drinks, but effectually prevents sucking.

Calf Size No. 1055.....**45c, by P. P. 52c**
Yearling Size No. 1055½.....**65c, by P. P. 72c**
Cow Size No. 1056 .....**75c, by P. P. 82c**

PIERCEASY BULL RINGS

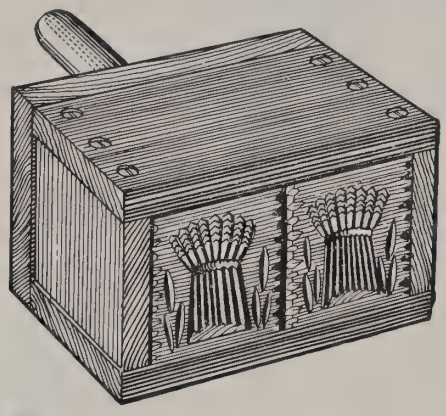
A Quality Product

Made to meet the demand of stockmen who require something superior to the ordinary ring. The sharp, smooth point cuts a clean hole. Size No. RB-4, 7/16x 3½. Bronze. **Price $1.75 each; by P. P. $1.82.**

COPPER RINGS, BLUNT

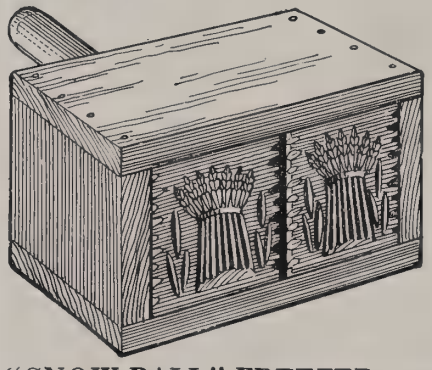
2½ inch.....**40c, by P. P. 45c**
3 inch.....**45c, by P. P. 50c**

BALTIMORE PATTERN, HAND-MADE BUTTER MOLD



This Butter Print is handmade out of solid hardwood, and is put together with brass screws, making it indestructible. Being a two-piece print makes it very handy to use.

Price
½ lb. $1.25; by P. P. $1.35.
1 lb. $1.50; by P. P. $1.60



BUTTER MOLD

Seeley Pattern

Furnished with Sheaf of Wheat. Movable block.

Price
½ lb. 65c; by P. P. 75c.
1 lb. 85c; by P. P. 95c

"SNOW BALL" FREEZER

Has three motions. The can revolves from right to left, the outer beater from left to right, the two wood scrapers removing the frozen cream from the side with the unfrozen cream in the center, and throws all back to the side to be again frozen and removed by the scrapers. The continuous action of the can and two beaters moving in opposite directions keep the cream ever changing position, producing in about three minutes a very smooth, well beaten, velvety cream. Virginia white cedar, bound with electric welded wire hoops. Fitted with new cross bar lock and reinforced cross bar. Retail Prices: **2 qt. $4.00, 3 qt. $4.90, 4 qt. $5.35, 6 qt. $7.15, 8 qt. $9.00.**

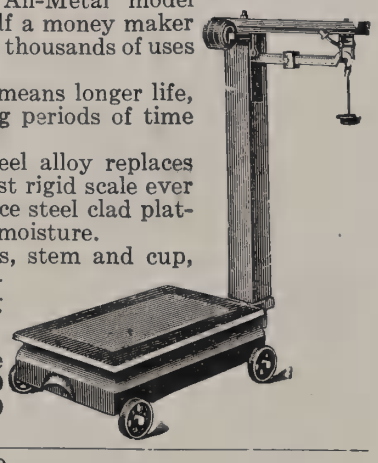
Platform Scale

On the farm, in the warehouse, stockroom, toolroom, factory and shipping department the Portable Platform All-Metal model shown here will prove itself a money maker and profit producer. It has thousands of uses in every industry.

All-Metal construction means longer life, greater accuracy over long periods of time and greater scale value.

In this scale, copper-steel alloy replaces the wood, forming the most rigid scale ever offered. The solid one-piece steel clad platform prevents seepage of moisture.

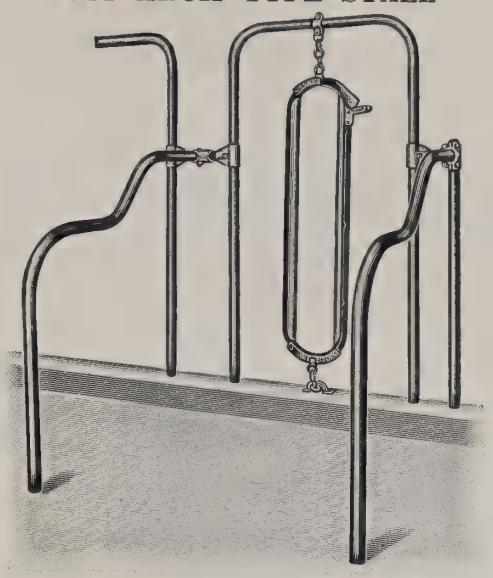
All counterpoise weights, stem and cup, bearings, etc., are rust-proofed by the Parkerizing process.



No.	Capacity	Price
1128—	500 lbs.	$27.00
1124—	1000 lbs.	31.00

COW STANCHIONS AND STALLS

NEY ARCH TYPE STALL



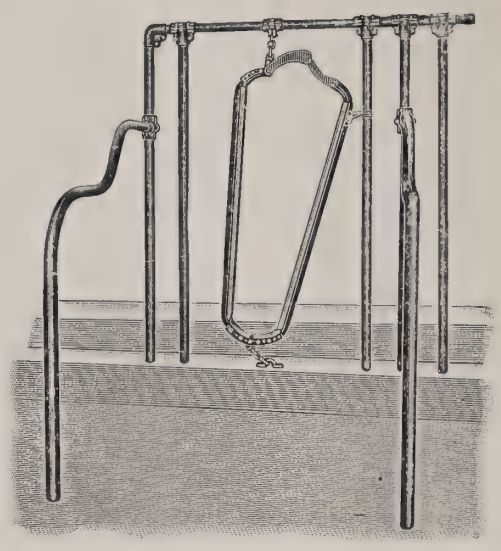
No. 75

Specifications
No. 75 Stall

Made of stiff, high quality steel pipe or tubing, 1⅝″ outside diameter. Fittings of heavy steel and certified malleable iron. Width of arch unit, 30″, center to center. Standard width of stalls, 3′6″, but are built on special order to any width up to 3′10″ without extra charge. Finished in Ney gray enamel. Approximate weight per stall without stanchion, 45 lbs. Can be furnished only in 1⅝″ outside diameter pipe or tubing.

Each.....$7.35

NEY THREE POST STALL



No. 30

Specifications
No. 30 Stall

Built entirely of 1⅝″ outside diameter, stiff, heavy steel pipe or tubing; fittings of heavy steel and certified malleable iron. Standard width of stalls, 3″6″, but are built on special order to any width up to 3′10″ without extra charge. Finished in Ney gray enamel. Approximate weight per stall without stanchion, 60 lbs. Can be furnished in 1⅞″ outside diameter pipe or tubing upon special order, **each**.....$8.50

No. 1 STANCHION

No. 1

Made exceptionally strong of high-grade steel and malleable iron. Adjustment 7″ to 8½″ in width; finish Ney gray enamel; T-bar high carbon steel, 1¼″ x 1¼″x3/16″; hard wood lining, 1¾″ wide, ⅞″ thick, selected well seasoned; height of stanchion, 4′; height of stanchion, including chains, 4′11″. Weight each, 20 pounds.

Each.....$4.40

No. 2 STANCHION

No. 2

Tubing 1-5/16″ outside diameter, smooth, stiff steel; rounded ends of malleable iron; finished in Ney gray enamel. Weight 20 pounds each.

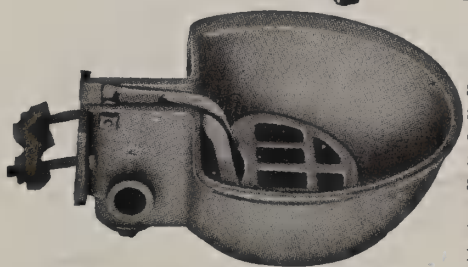
Each.....$4.40

No. 5 STANCHION

No. 5

Frame, 1-5/16″x⅞″x3/16″ steel U-bar; lining, 1⅜″x¾″ seasoned hard wood. Hinge formed by bolt passing through overlapped ends of frame. Rest bracket and folding toggle parts of heavy steel. Welded top and bottom chains. Length of stanchion, including chains, 58″; width, 7¼″. Finish, metal parts in Ney gray enamel, wood linseed oil. Weight 16 pounds each. Packed two in a bund

Each, Wood Lined.....$2.75
Each, Unlined..... 2.40



NEY No.4 WATER BOWL

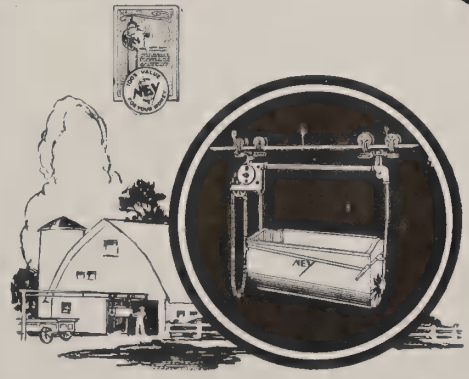
No. 4 Rigid Bowl is of one-piece cast iron; gray enamel finish. Has part brass valve; easily cleaned and adjusted to any water pressure. Can be attached to flat wood surface as well as pipe. Fully warranted to give satisfaction and long life. Weight 10 pounds.

Each.....$2.75

NEY No. 15 WATER BOWL

Ney No. 15 Bowls cannot splatter or splash. They are sanitary in construction and easily cleaned. They attach anywhere and to any type of stall. The inlet is through a ¾″ street ell that may be entered at any angle. The pedal may be raised to clean out chaff, etc., and the cup need not be taken away to clean. By releasing a small trip well under the frame and not accessible to the cow, the cup may be released to swing down, but remains secure to be cleaned and is brought back into position by simply lifting up on the cup, which latches itself.

Each.....$3.35



No. 1 LITTER CARRIER

With Standard Tub, price.....$58.00
With Large Tub, price.....60.00

No. 2 LITTER CARRIER

With Standard Tub, price.....$50.00
With Large Tub, price..... 52.00

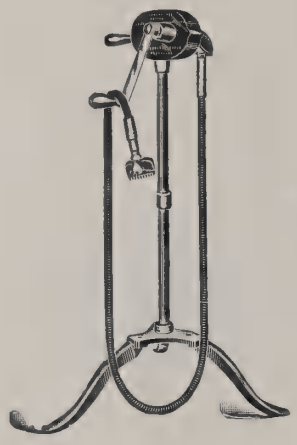
TUB SPECIFICATIONS

Large tub, 42″ long, 23″ deep, 25″ wide, 110 lbs.

Standard tub, 42″ long, 25″ wide, 19″ deep, 110 pounds.

Standard Tub, only.....$21.00
Large Tub, only..... 23.00

STEWART No. 1 BALL BEARING CLIPPING MACHINE



This is the most extensively used of all clipping machines, In every country where clipping is done, it is the preferred hand power machine.

Stewart No. 1 Ball Bearing Hand Power Clipping Machine complete with shaft, chain and Model D Clipping Head, **Price $13.45.**

SHEEP SHEARING ATTACHMENT

For use on the No. 1 or No. 10 Horse Clipping Machine. This attachment consists of complete No. 7 Stewart Shear Head, shaft jointed 42 inches long, complete with knives.

Price $16.95

STEWART No. 9 SHEEP SHEARING MACHINE

This easy turning machine shears smooth and fast. Is easy to use—can be carried to the flock anywhere or moved at any time to the spot most convenient to use. Universal ball-bearing joints allow the shaft and shear to move freely in any position. Gears are enclosed, protected from dust, dirt and moisture.

Price No. 9 Shearing Machine complete with No. 7 handpiece, four No. 276 narrow cutters and two No. 277 Narrow combs.....**$23.50**

The No. 9 can be converted into a clipper for cows, horses, mules and dogs by using clipping attachment No. SC-1050 Price.....**$8.25**

EXTRA BLADES

No. C 71M—Top Clipping Blade for Clipmaster, each **$1.35**
No. 72M—Bottom Clipping Blade for Clipmaster, each **1.85**
No. 360—Top Blade for No. 1 Clipper, each..... **1.35**
No. 361—Bottom Blade for No. 1 Clipper, each..... **1.85**
No. 90—Top Blade for O. S. No. 1 Clipper, each..... **1.35**
No. 99—Bottom Blade for O. S. No. 1 Clipper, each .. **1.85**

IMPROVED HOG SCALDER

Fire Box

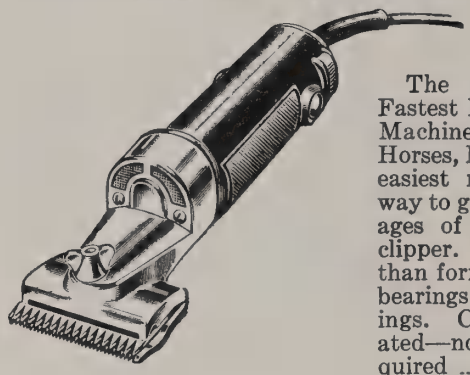
Dimensions—6 feet long, 18 inches 30 inch,highes wide at bottom. 22 inches wide at top.

Scalder

Dimensions—6 feet long, 2½ feet wide, 1½ feet deep.

Complete with fire box.....**$55.00**
Scalder less firebox..... **40.00**

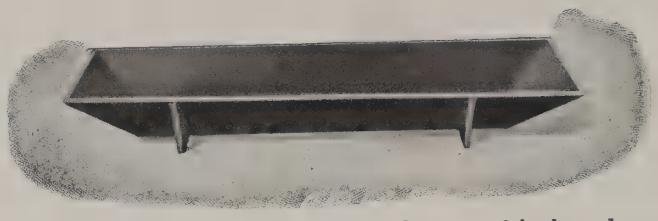
STEWART ELECTRIC CLIPMASTER



No. 21

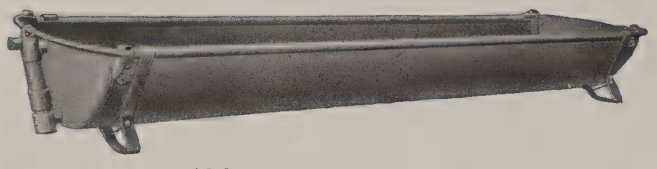
The World's Finest, Fastest Electric Clipping Machine for Cows, Horses, Mules, Dogs. The easiest most convenient way to get all the advantages of a good electric clipper. 78% more power than former models. Ball bearings instead of bushings. Completely insulated—no ground wire required **$17.95**

CAST IRON HOG TROUGHS



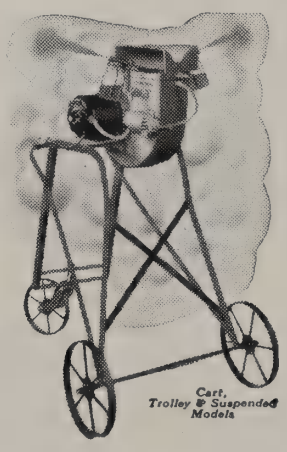
12 inches wide at top, 2 inches at bottom, 6 inches deep. Capacity 2 gallons per foot.....**Price $1.00 per foot**

BUCH'S RIVETLESS STEEL TROUGHS



No.	Length Feet	Width at Top Inches	Depth Inches	Capacity Gals.	Weight Lbs.	Price
58	5	14	8	20	65	**$9.00**
59	6	14	8	24	76	**11.00**
60	8	14	8	32	93	**13.00**
61	10	14	8	40	119	**16.00**
69	5	16	9	30	70	**10.25**
70	6	16	9	30	85	**12.50**
71	8	16	9	48	111	**15.75**
72	10	16	9	60	127	**18.75**
80	5	18	10	40	91	**11.75**
81	6	18	10	48	102	**13.75**
82	8	18	10	64	122	**17.50**
83	10	18	10	80	141	**22.00**
84	12	18	10	96	168	**27.00**

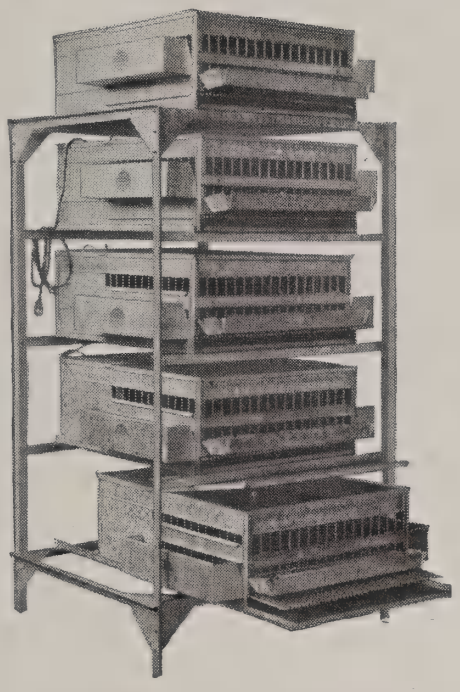
ACTION-AIR SANI-FOGG



Sudden death for flies in Dairy Barns, Hog Pens, Horse Stables, Poultry Houses, Etc. Soon saves its cost in the economical use of spray fluid. Does not harm animals or humans in any way. Flies are banished in a cloud of fly spray which completely envelops them, kills them dead! For flies, like spiders and other insects, breathe through their body surfaces, and when they are coated with a film of oily spray it is impossible for them to live. This easily portable model may be wheeled from stable to stable or building to building.

Price.....**$100.00**

ECONOMY ELECTRIC BATTERY



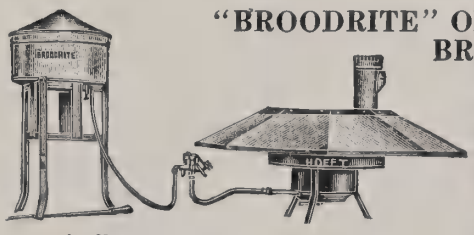
Uniform temperature, wonderful ventilation. Equipped with the BESTOF ALL quick break switch, 100% automatic control, long cord, 110 volts A. C. current. Both front and back covers hinged. Capacity 80 day-old, 50 4-weeks chicks.

B-1 Brooder. 200 watts, 35 lb.....**$8.95 each**

B-1 Rack 38x32x68, 45 lbs.....**9.75 each**

B-1 Rack 5 Brooders, 225 lbs.....**49.50 each**

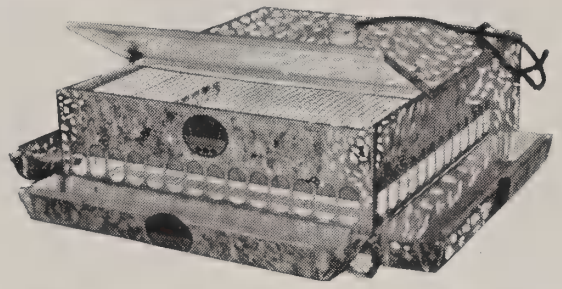
"BROODRITE" OIL BURNING BROODER



Economical, safe and highly efficient, with a wide range of adjustment from a low flame to a powerful hot blast, automatically controlled. It burns low-priced No. 1 furnace oil (distillate 38-40°) or kerosene in a new marvelous burner, with a hot, clean flame and a minimum of carbon and soot. Each "Broodrite" Brooder is complete with canopy, a heavy galvanized 10-gallon fuel tank on a substantial steel stand 26 inches high, brass strainer and shut-off valve, 6 feet of copper tubing from tank to regulator, iron pipe from burner to regulator, 2 feet of iron overflow pipe, 5-inch galvanized tee and adjustable draft regulator. Use 5-inch pipe. Directions with each Brooder.

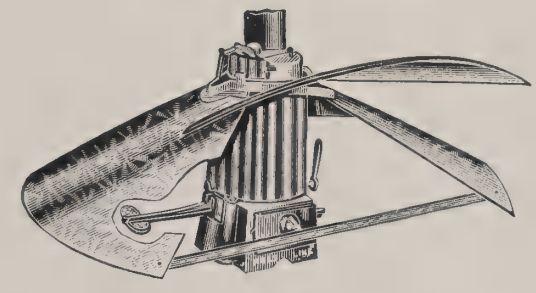
	Diam. Canopy	Day Old Chick Capacity	Recommended Capacity	Weight	Price
No. 238	54 in.	1000	500	78	**$21.00**
No. 239	63 in.	1250	750	85	**22.50**

CONTENTED CHICK BROODER–ELECTRIC



B-2 8 Inches High—Size 20″ x 24″ No Cardboard All Metal.....Price $4.50

MOE'S DOUBLE DRAFT BROODER STOVE



Moe's Coal Burning Colony Brooder is a thoroughly reliable, highly efficient and practical brooder or hover.

Provides an even, continuous and correct temperature at all times. Gives the chickens an abundance of pure fresh air, with ample room for them to get sufficient exercise.

It has the latest improved Double Draft check dampers, and is self-regulating and requires but little attention.

The Stove has a large deep **corrugated** fire pot, and burns most any kind of fuel, but we recommend hard coal in chestnut size. The Fire Bowl is of heavy cast iron and is wider at the base than at the top, allowing the fuel to feed freely without danger of clogging, and insuring an even, well distributed fire. The **Corrugated** design greatly increases the amount of heat radiated.

The No. 112 Stove has a capacity of 23 pounds, No. 113 of 34 pounds, and No. 116 of 50 pounds of hard coal.

The Grate is in two sections, rocker type, center dump, making it easy to keep a clean, bright fire at all times.

The Ash Pit is large and easy of access. The bottom of the ash pit is raised from the floor and further protected with a pad of asbestos.

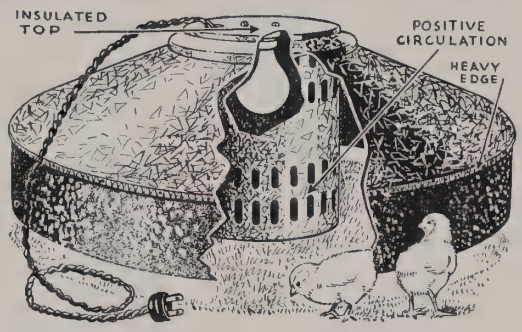
Automatic Control. The fire is automatically regulated by twin thermostats which open and close both the draft and check dampers. Easily adjusted to any desired degree of heat, and after adjustment at the beginning of the season needs no further attention.

The Canopy is of heavy galvanized steel, completely assembled, and mounted on a cast collar, with a wide door or panel, hinged at the top, giving easy access to any part of the stove.

Time-tried and tested and guaranteed to give perfect satisfaction.

No.	Diameter of Hover	Capacity Chicks	Diam. of Fire Pot	Shipping Wt. with Hover	Pipe Size	Price Complete
112	42 in.	500	10 in.	84 lbs.	4 in.	**$16.50**
113	52 in.	1000	11 in.	110 lbs.	5 in.	**20.00**
116	56 in.	1200	13 in.	132 lbs.	5 in.	**22.00**

BABY GRAND ELECTRIC BROODER



For the progressive small flock raiser who knows the advantages of electricity. Capacity 75 chicks. Fitted with socket for light bulb, 6 feet cord and curtain.
(Bulb not furnished)
No. C1 22 inches diameter.....$2.50

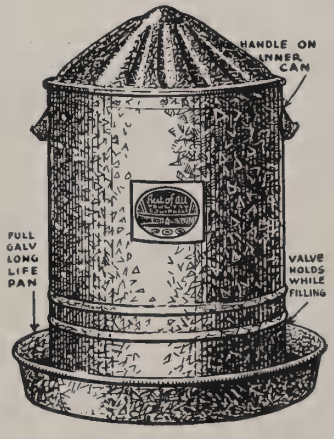
"BEST OF ALL" ADJUSTABLE CANOPY BROODER

Did you ever buy a Brooder and find when chicks were four or five weeks old you did not have space to brood them? Close metal sides to save heat when the baby chicks are small. Size 50x50 inches from flat to flat. Open sides to area 60x60 inches as chicks grow. The greatest improvement of brooder design in a century. Ample ventilation, no damp foul air under the Beacon-Bilt Electric, 100% insulation. Specification—Heater a Duplex, either 500 or 1,000 watts, for cold house brooding. Quick-break switch for 110-volt A. C. 10 foot rubber-covered cord, pilot light, also permanent attraction light—(bulbs not furnished); thermometer, three inch ventilator, legs adjustable. Capacity 600 chicks.
No. B-13 60 in. Electric.....$21.75

TOP FILL FOUNTAIN

(Double Wall)

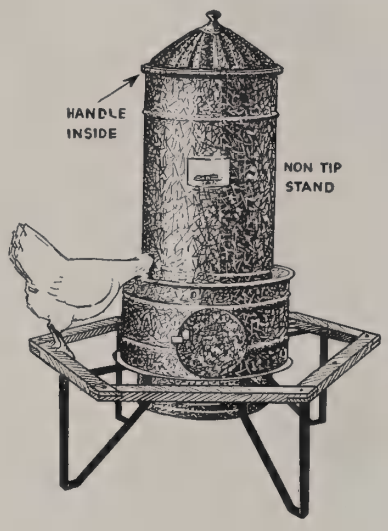
New non-roost top—convenient handles — improved valve. A new leader in the BEACON line. Special built pan with full thickness of galvanizing where protective coating of zinc is needed most.



Model	Capacity	Price
W-22S	2-Gals. with Stand	$1.35
W-23	3-Gals Fount Only	1.60
W-25S	5-Gals with Stand	2.50
W-28	8-Gals Fount Only	3.40

"BEST OF ALL" FLOAT FOUNTAIN

"BEACON-BILT" FOR SERVICE



Like the Popular W-14 Except Larger

Equipped with the "Best-of-All" valve. Closes completely when fountain is carried. Water starts flowing automatically No catches to unlatch, no trouble. Float shuts water off at correct level. We repeat "Shuts off." An all-brass float, and screen which unscrews for easy cleaning. 8-gallon capacity with heavy "Beacon-Bilt" pan, non-roost top.

Heaters keep water at correct temperature and produce eggs when prices are high. Built to fit all make fountains.

HEATERS

Electric, well insulated for economy. Has socket cord and plug; bulb not furnished. Oil heater has large lamp holding 4 quarts, 3 weeks supply. Latest chimneyless burner. Low operation cost.

	Capacity	Price
Model W-15—Fount only,	8 gal.	$3 40 each
Model W-158HS—Fount, Stand and Electric Heater		6.50 each
Model S-24—Stand only for W-15		1.60 each
Model W-15-H—Fount, wi h Oil Heater		5.20 each
Model W-15HS—Fount, Oil Heater and Stand		

SIMPLICITY FEEDER AND WATERER

No. W-5 14 inches diameter—4¼ inches High
Capacity 10 qts.....$1.00
No. W-6 16 inches diameter—4½ inches High
Capacity 16 qts..... 1.35
No. S-15 Stand for above..... .30

BEST OF ALL GALVANIZED FOUNTAINS FOR BABY CHICKS

No W-O Galvanized, **10c each**
No. W-OG Glass. For Buttermilk .....**15c each**

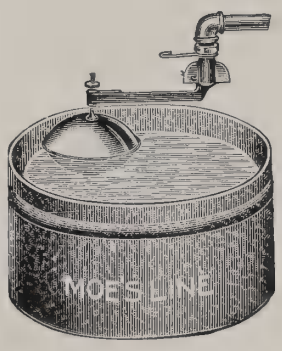
ALL-PURPOSE FLOAT FOUNTAIN

Equipped with the famous Beacon "Best of All" valve, these fountains have reduced labor costs for hundreds of poultry raisers. The valve is all brass and double acting, no adjustments. W-13 specially adapted for baby chicks.

Model	Capacity	Price
W-13	10 Qts.	$1.50

The Beacon-bilt W-13.

AUTOMATIC POULTRY FOUNTAIN



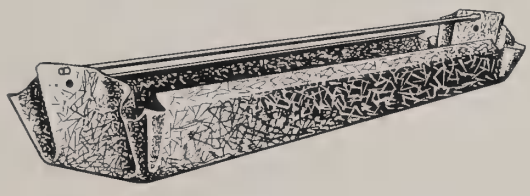
Can be attached to any iron water pipe or to a barrel or tank, and insures a continuous, automatic flow of water, without waste. Valve is threaded for ¼-inch iron pipe. The wire holds the float up while pan is being cleaned or removed.

Price:

No. 30—Automatic valve and float only.....**95c**

Drinking pan or dish not included.

THE BEACON FEEDER



The best and largest feeder for the money. A galvanized one-piece die-drawn pan with a single adjustable wire guard. Can be used for either feed or water. Square bottom with tapered sides for center feed.

Model	Length	Price
F-0	12 inches	15c
F-1	18 inches	20c
F-2	28 inches	25c

"BEST OF ALL" BEACON FEEDER

6 and 8 feet of feeding space. 4½ inches wide center feed. Non-waste. 4 vane metal reel. Adjustable non-breakable reel holders with adjustable ends. Remember, there isn't anything better than the "Best," no matter at what price.

Model	Length	Price
F-6	36 inches	68c
F-7	48 inches	80c

ADJUSTABLE ROOF SADDLES AND CAPS

Made of heavy Galvanized sheet steel. Adjustable to pitch of roof.

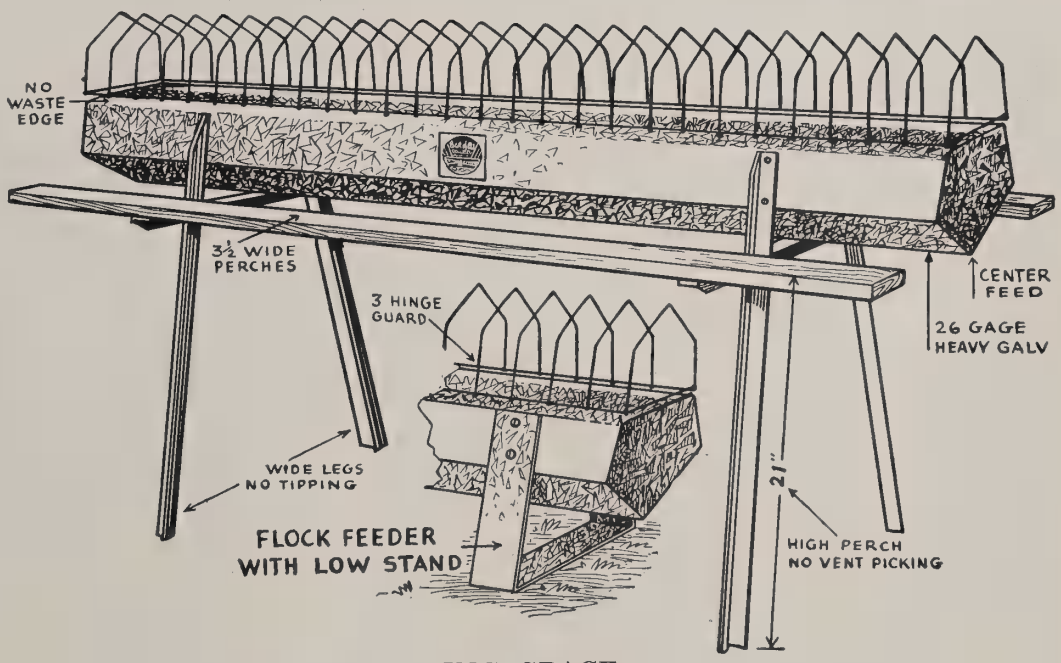
No. N-4—4 inch diameter.....**$1.35**
No. N-5—5 inch diameter..... **1.45**

The above prices complete with Cap as illustrated.

No. N-14—4 inch Galv. Cap only **.25**
No. N-15—5 inch Galv. Cap Only **.25**
No. N-12— 4 in.—Not Adjustable **.50**
No. N-13—5 in.—Not Adjustable **.50**
No. N-7—4 in. Heavy Galv. Pipe **.25**
No. N-8—5 in. Heavy Galv. Pipe **.30**

Nos. N-4—N5

Best of All FLOCK FEEDERS



10 FEET OF FEEDING SPACE

Built with a high perch to prevent canibalism. Also furnished with low stand 4 inches from bottom of feeder to floor. Flock Feeders should be high or low—intermediates are dangerous.

Model	Length	Price
F-50 Low Stand	5 ft.	$3.00 each
F-51 High Stand	5 ft.	3.95 each
F-81 High Stand	8 ft.	5.50 each
F-64 High Stand	4 ft.	2.80 each

THE NEW UNBREAKABLE GLASS

It is the most economical and practical glazing material on the market. It replaces ordinary fragile—costly glass for nearly every purpose. It is made of coarse mesh galvanized wire cloth, treated in such a manner that the spaces between the strands are filled with a clear, translucent flexible substance that will not rub off, peel or become brittle. It is not affected by weather conditions. **36 inches wide, 38c per running foot.**

VITAPANE

The modern window material for Poultry Houses, Hot Beds, Sun Porches, Windows.
3 feet wide.....$ .18 per foot.

VIO-RAY (Glass Cloth)

Used instead of Glass. Keeps out wind and rain, yet permits the ultra-violet ray to enter.
23c per sq. yd. 10 sq. yards or more.....20c per sq. yard

CELLULOID LEG BANDS

Made of celluloid, in fast colors. Sizes for large and small poultry, baby chick and pigeon.
12.....15c 50.....50c 100.....75c

FRENCH POULTRY KILLING KNIFE

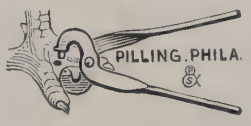
Made of finely tempered instrument steel, with nickel handle; will last a life-time. **Price 50c postpaid.**

THE PHILADELPHIA POULTRY MARKER

Well made, with steel spring and cutter nickel-plated. Made in two sizes.
Price 25c, postpaid

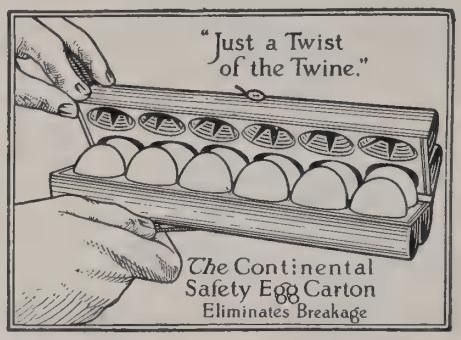
PILLING LANSDOWNE POULTRY MARKER

Look at illustration and see how easy it is to use. Large or small size.
25c postpaid



PHILADELPHIA GAPE WORM EXTRACTOR

Price 25c, postpaid



Eliminate breakage and save your profit. You can do this if you will pack your eggs in the Continental Safety Egg Carton. Place your eggs, give a "Twist of the Twine," and the trick is done. Used extensively by poultrymen all over the country.

Price:

Dozen	Hundred	Per case of 250	Per thousand
25c	**$1.60**	**$3.75**	**$14.00**

Mailing weight about 2 pounds to dozen.

DOUBLE UNIT WAFER THERMOSTATS

Made of special tempered brass, vacuum filled, sensitive, accurate and durable, and begin to function at about 85 degrees Fahrenheit. The double units have a solid post between them, making each wafer independent of the other, so if one wafer should become injured the other would continue to function. Intended for oil burning or coal burning brooders, also incubators.

No. 297—3 inches.....**25c Each**
No. 298—4 inches.....**40c Each**
No. 299—5 inches.....**50c Each**

BROODER AND INCUBATOR THERMOMETERS

No. 127—Brooder Thermometer with black lithographed metal scale 4½ inches long. White figures and graduating. Red liquid tube, easy to read. Scale range 30 to 120 degrees Fahrenheit. **Price 40c each.**

TYCOS INCUBATOR THERMOMETERS—White figures on a black background. **Price 50c each.**

TRUMBLE ELECTRIC POULTRY WATER WARMER

Automatically controlled. Keeps the Drinking water warm in Winter. **Price**.....**$3.00**

No. C. H. 136 CHICKEN HOUSE FLOOR SCRAPER
Blade 13 inches wide by 4⅜ inches deep. 6 foot Handle.
Price.....**$1.25**

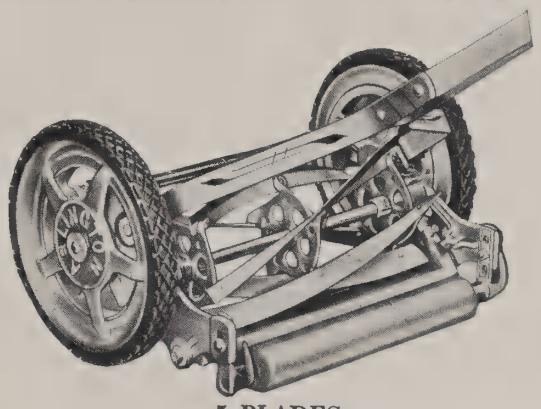
WIRE NESTS. Made from heavy Coppered wire, reinforced with coppered steel ribs.
Price 25c each. $2.50 per doz.

WIRE EGG BASKET. Capacity 18 dozen.....**Price 90c**

POULTRY PEAT LITTER. Full Size Bale.....**$3.50**

All Prices Subject To Change Without Notice

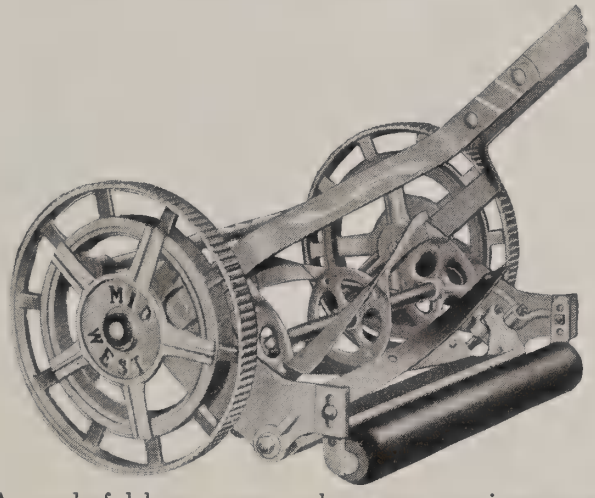
ECLIPSE-BUILT—ARLINGTON



5 BLADES

An exceptional value in a five-blade Mower. Equipped with new Adams Sharpener and Goodyear half-tone cushion tires. 14″ **$8.25** 16″ **$8.50** 18″ **$9.10**

ECLIPSE-BUILT—MIDWEST

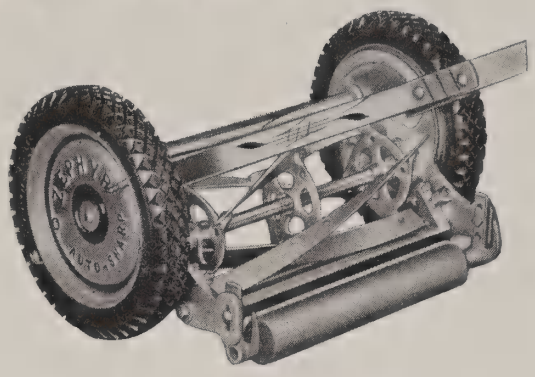


A wonderful lawn mower value—easy running—smooth cutting with 10″ standard-type wheels.

Rio Grande—5-blades 14″ **$6.50** 16″ **$6.75** 18″ **$7.35**
Mid West—4-blades 14″ **$6.10** 16″ **$6.35** 18″ **$6.95**

ECLIPSE-BUILT—ZEPHYR AUTOSHARP

A top value in Eclipse-Built Standard Mowers. Has Eclipse Self-Sharpening feature.



5-BLADES—PNEUMATIC TIRES

16″ **$14.50** 18″ **$15.75**

4-BLADES—PNEUMATIC TIRES

16″ **$13.75** 18″ **$15.00**

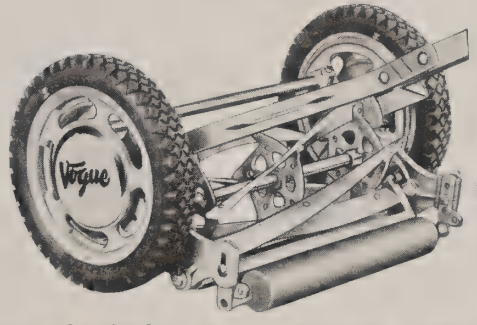
5-BLADES—SEMI PNEUMATIC TIRES

16″ **$13.25** 18″ **$14.50**

4-BLADES—SEMI PNEUMATIC TIRES

16″ **$12.50** 18″ **$13.75**

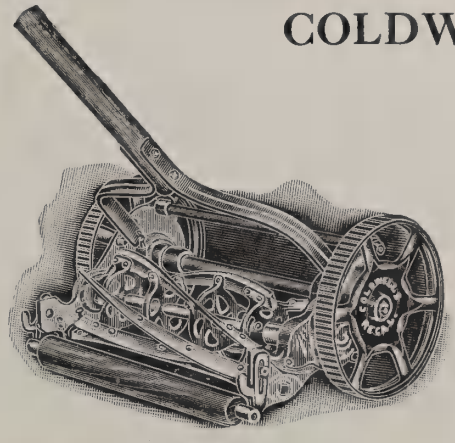
ECLIPSE BUILT—VOGUE



A new modernized Eclipse model with Chromium hub caps. A highly popular mower equipped with new Adams Sharpener and Goodyear Valveless Pneumatic Tires. 5-blades. 10½ inch wheel.

16″ **$12.25** 18″ **$13.00**

COLDWELL LAWN MOWERS



REGAL

One of the finest mowers ever offered. Roller Bearings 10½″ Wheels. 5 cutting blades.

Price 16″ **$21.50** 18″ **$22.75**

AMBASSADOR

A quality mower of medium weight. Ball Bearings. 10″ Wheels. 5 cutting blades.

Price 14″ **$16.75** 16″ **$17.75** 18″ **$18.75**

SUBURBAN

A popular-priced, high-grade mower. Ball Bearing. 10″ Wheels with 1¼″ Pneumatic Tires. 5 cutting blades.

Price 14″ **$16.25** 16″ **$16.95** 18″ **$17.85**

INTERSTATE

A substantially built mower that is medium priced and of unusual quality. Ball Bearings. 10″ Wheels. 5 cutting blades.

Price 14″ **$11.50** 16″ **$12.25** 18″ **$13.00**

CORNWALL

A strong light-weight, durable mower. Ball Bearing. 10″ Wheels. 4 or 5 cutting blades.

Price—4 Blades 14″ **$7.20** 16″ **$7.45** 18″ **$7.90**
Price—5 Blades 14″ **$7.65** 16″ **$7.90** 18″ **$8.35**

PACEMAKER

A Goodyear Semi-Pneumatic, Rubber Tired Mower with a heavy tread. Ball Bearings. 10″ Wheels. 5 cutting blades.

Price 14″ **$13.25** 16″ **$13.95** 18″ **$14.80**

KENT

A popular-priced lawn mower for the small lawn. Light in weight. Ball Bearings. 8″ Wheels. 4 cutting blades.

Price 12″ **$6.40** 14″ **$6.55** 16″ **$6.75**

ECLIPSE POWER MOWING EQUIPMENT

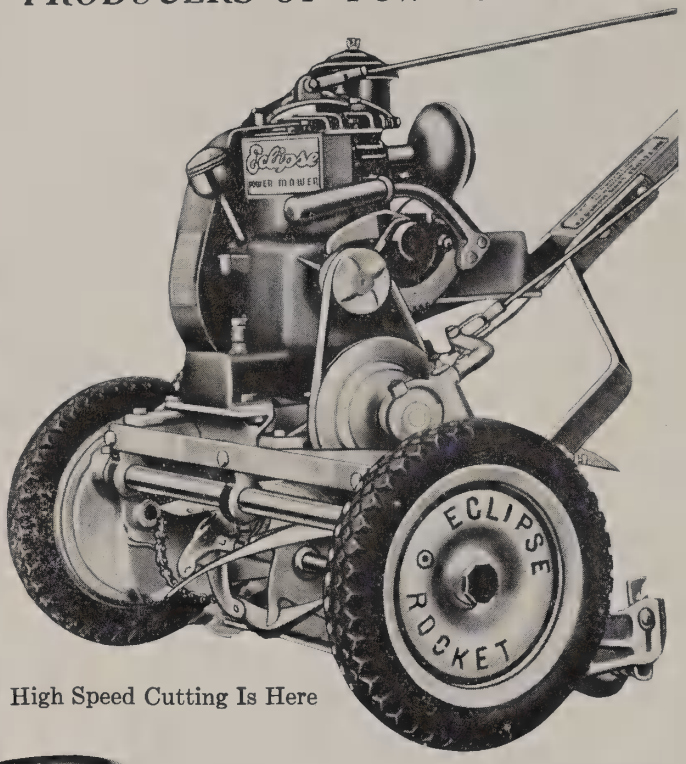
BUILT BY THE WORLD'S LARGEST PRODUCERS OF POWER MOWERS

The Eclipse ROCKET

A Personal Home Power Mower

Built for family operation and service. Brings the keen enjoyment of effortless, motorized mowing to every home. Starred with features which remove the drudgery of old-style lawn mowing methods. Full 20″ cut, Briggs & Stratton Engine, Timken Bearings, Goodyear Rubber Tires, Self-Sharpening. Own a Rocket this year.

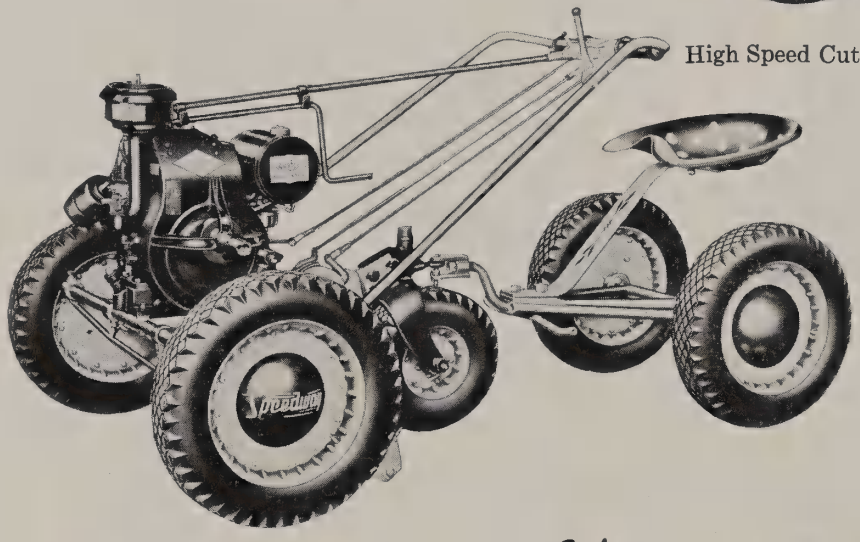
79.50



THE NEW ECLIPSE SPEEDWAY

5 to 7 Miles Per Hour

High Speed Cutting Is Here



Revolutionary in design and performance. Speedway cuts a 32″ swath 150 feet long in 15 seconds—175 square yards a minute equal to 2 acres an hour. Complete turn in its own width. Goodyear Pneumatic Tires.

PRICES—Speedway and Rightoway:
SPEEDWAY—32″ cut
High speed—double capacity, **$345.00.**
RIGHTOWAY—27″ cut
Same record-breaking economies as Speedway, **$270.00**
Sulky-extra, **$33.50.**

The Eclipse ROLLOWAY

25″ CUT

Designed and built by Eclipse for heavy duty mowing. Pneumatic rubber tires. Briggs & Stratton Engine. Average 3 to 5 acres a day. 14 inch wheels with 4 inch tread. An extra strong mower for mowing large acreages. Price **$190.00.**

Eclipse ROLLOWAY

ROLLING TO POPULARITY

With new differential action—pivot turning on oversized pneumatic tires 14 x 4.00. Rugged construction, remarkable handling ease. Unmatched economy for large cutting areas.

$185.00 F.O.B. FACTORY

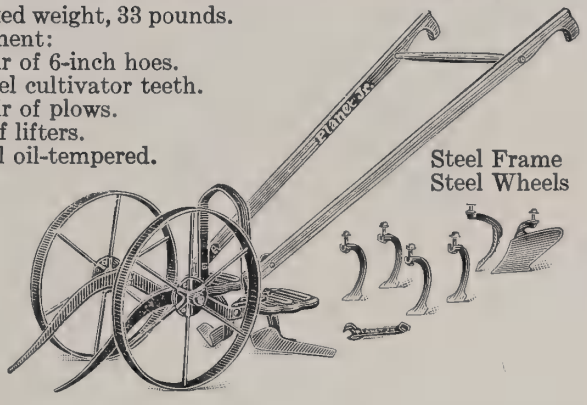
New 25″ *Cut*

ECLIPSE—THE WORLD'S BEST LAWN MOWER!

PLANET JR. HAND WHEEL HOES AND GARDEN PLOWS

No. 12 PLANET JR. DOUBLE AND SINGLE-WHEEL HOE COMBINED

Packed weight, 33 pounds.
Equipment:
1 pair of 6-inch hoes.
4 steel cultivator teeth.
1 pair of plows.
2 leaf lifters.
All oil-tempered.



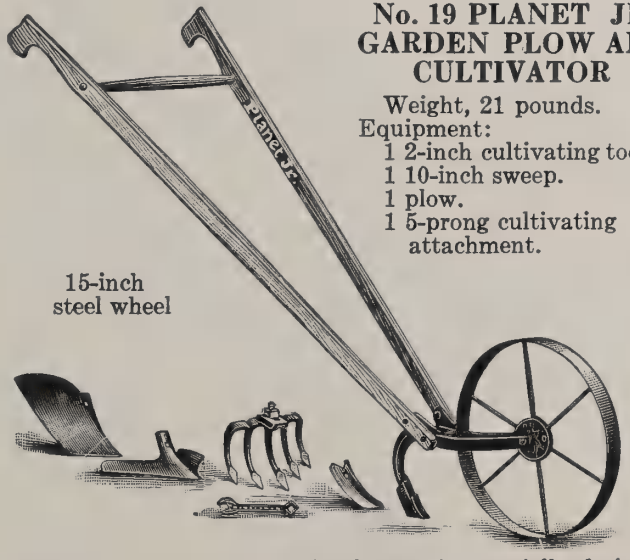
The No. 12 is the most popular Double-Wheel Hoe. It can be used by man, woman or boy. It is identical with No. 11, except that the 4½-inch hoes and the rakes are omitted from the equipment, and it is sold at a correspondingly less price. The attachments with it are what gardeners use most, and the short hoes, rakes and any of the attachments can be added at any time. You'll be astonished how easy it is to save time, labor, money and get bigger crops if you use it. **Price $11.50.**

No. 11—The same as above except that it has one pair 4½-inch hoes, two 3-tooth rakes and two 5-tooth rakes, in addition. **Price $14.50.**

No. 13—Is constructed the same as the No. 12 (shown above) but has for the equipment one pair 6-inch hoes only. **Price $8.75.**

No. 19 PLANET JR. GARDEN PLOW AND CULTIVATOR

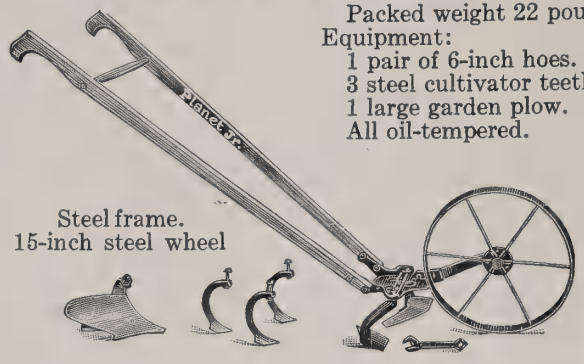
Weight, 21 pounds.
Equipment:
1 2-inch cultivating tooth.
1 10-inch sweep.
1 plow.
1 5-prong cultivating attachment.



No. 19—This attractive implement is especially designed for the farmer's garden work, though it offers to every one with either field or garden a cheap and effective tool for wheel-hoe operations. The standard is slotted for depth regulation, and an adjustable piece carries any of the attachments that go with the machine. The cultivating tooth does deep work and marks out rows for onion sets, plants, etc. The sweep is fine for level shallow work. The five-prong cultivator attachment is bolted directly to the frame, first removing the S-37 standard. The plow marks out furrows, covers them and plows to or from the crop as wanted; opens furrows for fertilizer, peas, beans, etc. Use the five-prong attachment for deep and shallow cultivation. It will break up the ground and leave a mulch so necessary to preserve the moisture in the soil. The variety, shape and quality of the tools make the implement light-running and effective. It is strong, well made and quickly adjusted. The height of the handles can be changed to suit man or woman, boy or girl. **Price $4.95**

No. 17 PLANET JR. SINGLE-WHEEL HOE

Packed weight 22 pounds.
Equipment:
1 pair of 6-inch hoes.
3 steel cultivator teeth.
1 large garden plow.
All oil-tempered.



No. 17 is identical with No. 16, except in equipment, and all that has been said previously regarding Planet Jr. Wheel Hoes is equally true of No. 17. The three sets of attachments which go with it are all the finest of their kind, and make an outfit sufficient for most garden work. You can do more and better work with it in one day than you can do in several days with the old-fashioned hand hoe. The hoes exchange sides to work to or from the row, and change of wheel regulated the depth. The hoes are constantly useful throughout the season. The cultivating teeth are oil-tempered and work admirably, are changeable for pitch and are useful for marking out rows. **Price $7.75**

No. 16—The same as above except in equipment, which includes one pair 6-inch hoes. Three cultivator teeth. One large garden plow. One 7-inch rake. One 4-inch rake. One leaf guard. **Price $8.95.**

No. 17½—Same as No. 17—but without the plow. **Price $6.75.**

No 18—Same as the No. 17—but equipment consists of one pair of 6-inch hoes only. **Price $5.75.**

No. 119 PLANET JR. GARDEN PLOW AND CULTIVATOR

This new member of the "Planet Jr." family will appeal to all those who prefer a high-wheel tool for their garden work. Where the soil has not been thoroughly and carefully prepared, the high wheel undoubtedly makes an easy-running tool. The wheel is 24 inches in diameter, with a rim 1½ inches wide, insuring easy running in the lightest soil. The equipment is so complete that it will meet all the needs of the ordinary garden where the adjustments and refinements of the higher-priced wheel hoes are not required.

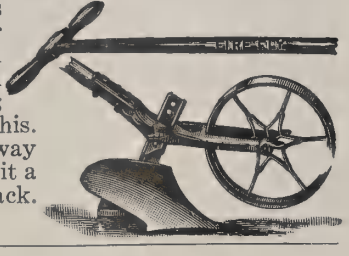
Price $3.85

No. 119W.—Is the same as the No. 119 except that it has a fine prong forged spring steel cultivator attachment instead of the reversible scuffie blade. This attachment can be used on any other Planet Jr. Wheel Hoe. **Price $4.20.**

FIRE-FLY GARDEN PLOW

This tool is exceedingly useful to owners of small gardens. It will throw a furrow 4 to 6 inches deep, and deeper by going a second time in each furrow. It makes fine furrows for manure or seeds and covers them, and makesup rows for all kinds of plant setting In cultivating, plow away, weed the row and plow back again; nothing more thorough than this. After the furrow is thrown away from the crop lightly, leave it a few days before throwing back.

Price $4.50.



No. 25 PLANET JR. COMBINED HILL AND DRILL SEEDER, DOUBLE-WHEEL HOE, CULTIVATOR AND PLOW

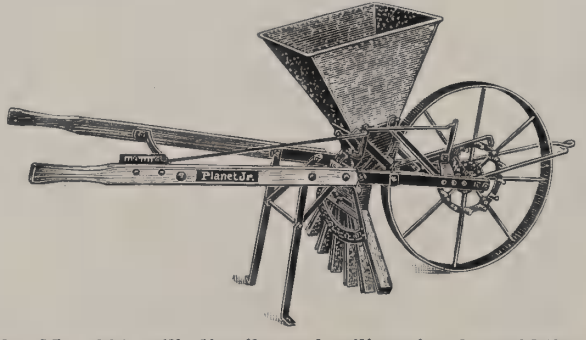
It can be used as a drill and is almost identical with the "Planet Jr." No. 4. It is thoroughly substantial and accurate in sowing all kinds of garden seeds in hills or drills. It has 11¼-inch wheels, and the hopper holds 2½ quarts. As a wheel hoe it is identical with the "Planet Jr." No. 12 Double-Wheel Hoe, the very best machine on the market. It takes but a moment to change from drill to wheel hoe, **Price $22.50.**

PLANET JR. No. 3 HILL AND DRILL SEEDER

Sows evenly in drills and also drops in hills 4, 6, 8, 12 or 24 inches apart. It is thrown out of gear instantly by moving a convenient lever or the flow of seed is stopped by pushing down the feed rod. No time is lost, no seed is wasted; it is quickly set to sow the different kinds f seeds in the exact quantity required.

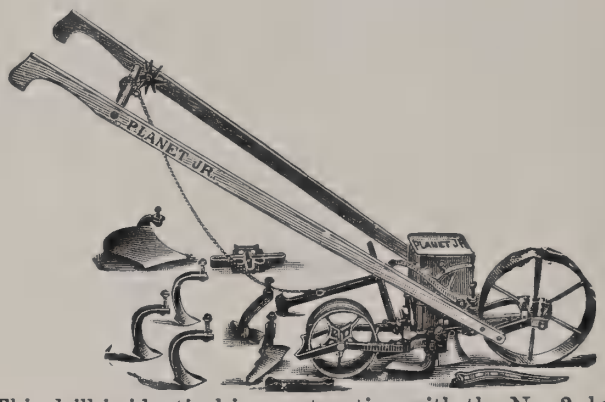
Holds 3 quarts. **Price $18.00**

No. 220 PLANET JR. FERTILIZER DISTRIBUTOR



The No. 220 will distribute fertilizer in the middles of three rows 12 to 14 inches apart; it will side-dress one side each of two rows up to 36 inches apart. You can use it in very narrow rows— as close as 9 inches. You can use it in 42 to 48-inch rows by closing off the flow in three spouts and distributing through the other three—either on the right of left hand side. It spreads fertilizer from 4 to 30 inches on the ground. The hopper capacity is one bushel. Will distribute 100 to 2,000 pounds of commercial fertilizer to the acre. **Price $28.75.**

No. 5 PLANET JR. HILL AND DRILL SEEDER



This drill is identical in construction with the No. 3, but is larger. The hopper holds 5 quarts. It works very light and is intended for those having a great deal of planting to do. **Price $19.75**

PLANET JR. No. 4 COMBINED SEED DRILL SINGLE-WHEEL HOE, CULTIVATOR AND PLOW

This is the most popular combined tool made. It combines in a single implement a first-class hill-dropping seeder, a single-wheel hoe or weeder, a cultivator and a plow. The hopper holds 2½ quarts of seed, which can be sown in continuous rows or dropped in hills at 4, 6, 8, 12 or 24 inches apart. Capacity of hopper, 2½ quarts. The drill is detached and the tool frame substituted by removing but one bolt.

Price, complete.....**$18.75**
No. 4-D Plain Seeder..... **14.75**

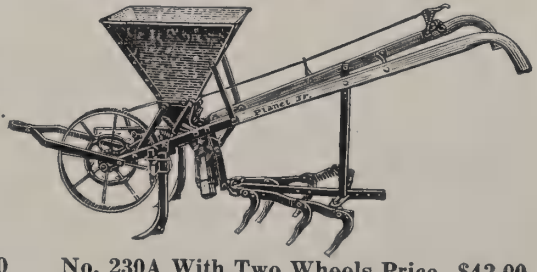
No. 300 SEEDER — Will plant any vegetable seed from the smallest up to the bush lima beans. There are three plates with a total of 39 holes, giving ample adjustments for any variety of seed. You can change from one hole to another in five seconds, and from one plate to another in thirty-five. Capacity of hopper 4 quarts. Front wheel 15 inches in diameter, 2½ inch tread. Rear wheel 11¼ inches in diameter, 2½-inch tread. **Price $20.00.**

No. 300A.—The same as No. 300 except that it has a concave rear wheel instead of the flat faced wheel.

Price $20.00.

Planet Jr. Nos. 230 and 230A Fertilizer Distributor and Cultivator

Capacity of Hopper 90 to 100 lbs.

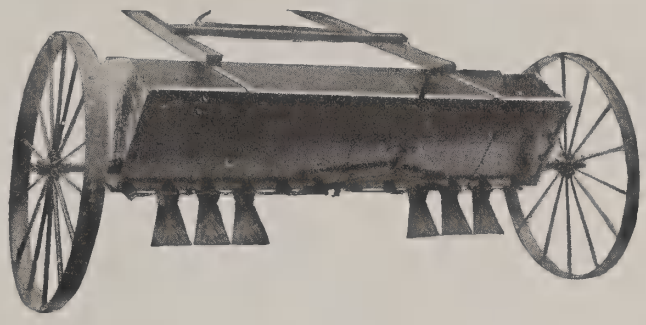


No. 230
Price $40.50 **No. 230A With Two Wheels Price $42.00**

Side Dress and Cultivate in One Operation

A new and highly recommended method of applying fertilizer to growing crops is to distribute it uniformly on the ground between the rows and to then cultivate it thoroughly into the soil. This insures all the feeder roots growing in the middle of the row getting their share of food. Cultivator closes to 12 inches: Opens to 21.

HAINES FERTILIZER DISTRIBUTOR



The Haines Universal Distributors are made in several sizes to meet the various requirements of the planters and farmers.

It can be used as a broadcaster for lime or fertilizer. It is easy to load and brings the distributor near the ground, only 11 inches for materials to fall, and for that reason the light materials are less liable to be carried away by the wind. Any quantity per acre may be sown by these machines by simply moving one lever to the adjustment required.

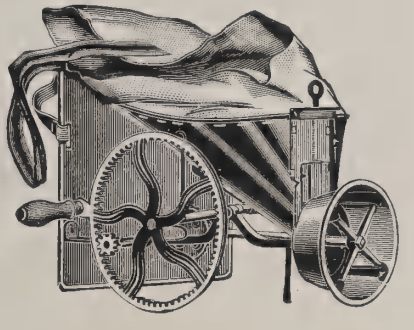
No gears of any kind, no chains, no sprocket wheels, no belts and no springs—fewer parts than any other machine A positive force feed, strong enough to handle the materials being used without caking in the hoppers, and at the same time giving regular discharge of materials.

6 foot.....**$55.00** 7 foot.....**$60.00**

CAHOON'S BROADCAST SEED SOWER

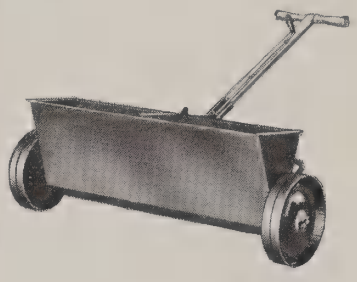
For Sowing Clover Timothy, Millet, Oats, Wheat, Hemp, Barley, Rye, Rice, Buckwheat, Etc.—Standard Seeder of the World—A Model for Accuracy and Durability—Malleable Iron Frame—Steel Hopper and Gate—Brass Discharger.

The breadth of the cast will be according to the weight of the seed. Wheat and rye, 30 to 36 feet; oats, 21 to 25 feet; barley, 27 to 33 feet; clover, millet, Hungarian seed, 20 to 24 feet; hemp, 27 to 30 feet; timothy, 15 to 18 feet. **Price $5.00.**



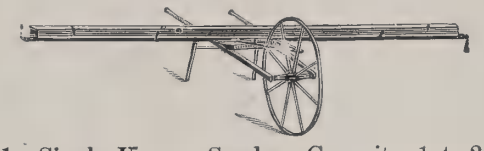
LAWNETTE FERTILIZER DISTRIBUTORS AND GRASS SEEDERS

For uniformly spreading any dry pulverized commercial fertilizer, lime, ashes, bone meal or grass seed. The feed is adjustable at will by means of a convenient rod on the handle and can be shut off entirely when crossing walks and driveways. Can also be used for spreading salt, sand or ashes on icy walks.



No. 115—Spreading width 16 in.—holds 30 lbs.....**$ 7.50**
No. 215—Spreading width 24 in.—holds 75 lbs..... **13.50**
No. 315—Spreading width 36 in.—holds 115 lbs..... **22.50**

THOMPSON WHEELBARROW GRASS SEEDERS (FARM TYPE)



No. 11—Single Hopper Seeder. Capacity 1 to 24 quarts per acre. Sows all small seeds like Clover, Timothy and Alfalfa.

No. 12—Double Hopper Seeder. Capacity 1 to 96 quarts per acre. Sows all small seeds like Clover, Timothy, Alfalfa and also chaffy seeds like Red Top, Orchard Grass and Clean Blue Grass.

Prices:

No. 11—Single Hopper, 14 feet long.....**$17.00**
No. 11—Single Hopper, 16 feet long..... **18.00**
No. 12—Double Hopper, 14 feet long..... **19.00**

CYCLONE SEED SOWER

A seed sower any farmer can afford. The most accurate, most convenient to operate and most economical machine for sowing Clover, Timothy, Alfalfa and all other farm seeds that can be sown broadcast. It runs easily and will distribute any desired quantity of seed per acre.

Price $2.50

VAN BRUNT LIME AND FERTILIZER SOWER

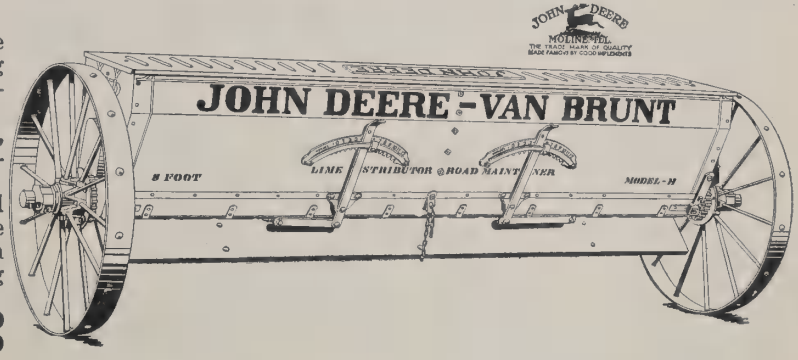
WITH OSCILLATING AGITATORS

The Van Brunt Lime and Fertilizer Sower is built in the standard size to cover eight feet of ground, with a carrying capacity of ten bushels. For strength, durability and simplicity it is unexcelled.

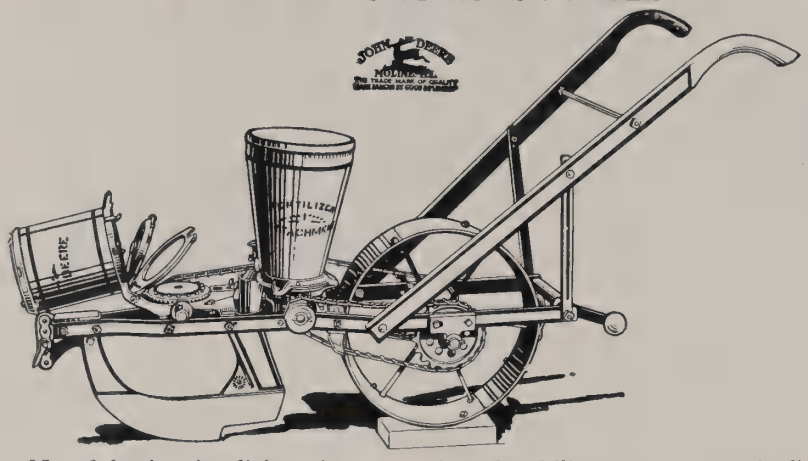
This sower has 36-inch steel wheels with staggered spokes, heavy, wide rims, removable dust-proof boxings, and compression grease cups with chilled wheel bearings.

Shifter levers on rear of hopper are provided with feed gauge lock, so that when set to sow a certain amount, the feeds may be closed entirely or quantity reduced when desired, and thrown back to the original position, avoiding the necessity of resetting the feed gauge.

Price, Plain.....**$87.00**
Add for Agitator with Mud Guards..... **15.00**



JOHN DEERE No. 227 ONE-HORSE DRILL



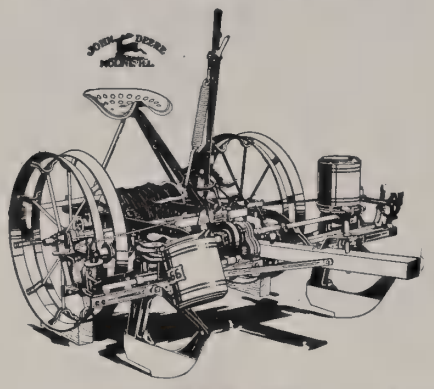
Noted for its simplicity of construction, durability, ease of handling any kind of corn, beans, peas, sorghum and many other seeds. Disk or hoe marker can be furnished if desired.

SAFETY FERTILIZER ATTACHMENT

The No. 227 Drill can be equipped with the John Deere improved safety fertilizer attachment that distributes the fertilizer in a narrow strip on each side of the row, at the same time the corn is planted. Applied in this way, the fertilizer becomes readily available as plant food, yet none of it comes in contact with the seed, which is protected by a layer of soil.

Price, Plain Planter $21.50
Price with Fertilizer Attachment $30.00

JOHN DEERE No. 999L CORN PLANTER



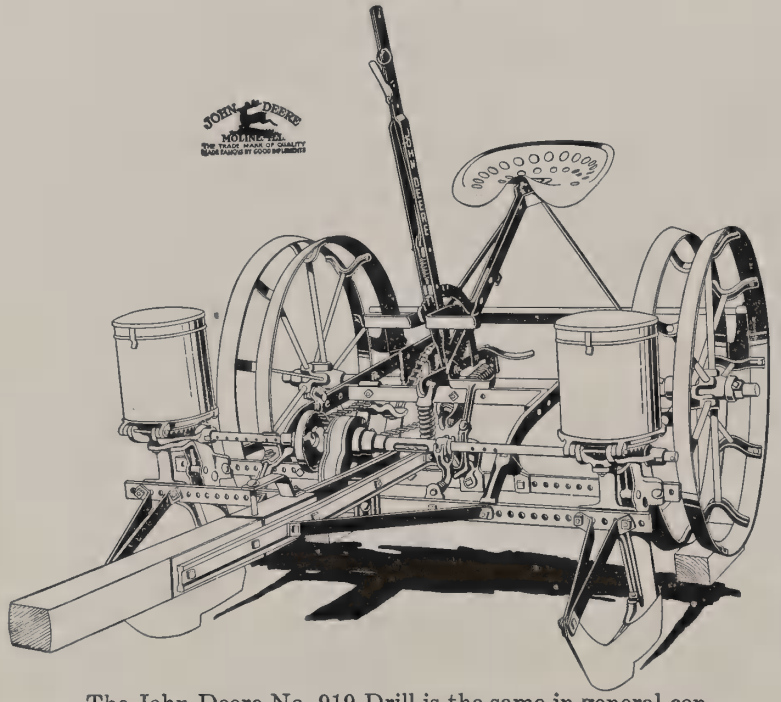
A CORN PLANTER DOES ITS WORK UNDERGROUND

There is no way of determining to what extent an inaccurate planter is robbing its owner until the crop is up, and then it is usually to late for him to recover his losses. The Famous John Deere Natural-Drop Seed Plates and Sloping Hopper Bottom are largely responsible for the unfailing accuracy of John Deere Corn Planters.

This Planter will narrow into 2 ft. 4 in. rows

Price, Plain Planter **$90.00**
Fertilizer Attachment, Extra **30.00**
Gauge Shoes, per pair **3.50**

JOHN DEERE BEAN DRILL No. 919L

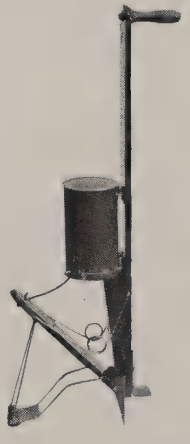


The John Deere No. 919 Drill is the same in general construction as the No. 999 Check Rower Planter. As it is intended for drilling only, it is not equipped with check rower and valve mechanism. Simplicity of construction, accuracy and reliability in drop make this machine a superior two-row drill.

It is just as desirable to have the seed properly spaced with unfailing accuracy when drilling as it is to drop three or any other number of kernels in the hill when check-rowing. The No. 919 Drill easily satisfies the most exacting requirements.

Plain $71.00
With Fertilizer Attachment 100.00
Gauge Shoes as Extra—per pair 3.50

ACME ROTARY AUTOMATIC CORN PLANTER

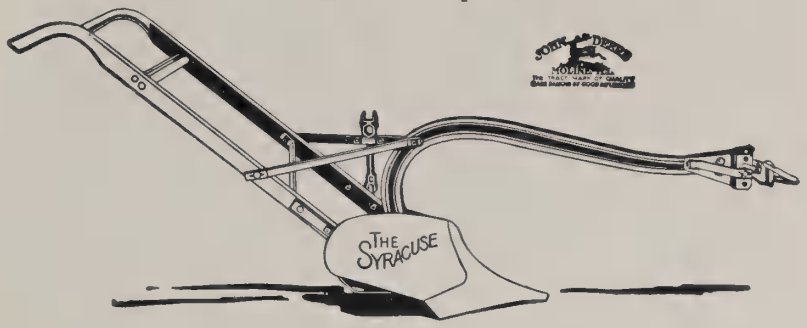


Full rotary drop. Pressed steel hopper. Adjustable cast disk or seed plates. Malleable ratchet lever. Brass spring cut-off. Double coil main spring. Extreme accuracy of drop due to novel exclusive and common sense design of seed plates, and brass spring cut-off or stripper. Double coil spring automatically rotates disc and closes jaws. Used in one hand like a walking stick. Disk is set for correct number of kernels by loosening thumb nut, moving star till pockets are of right size, then tightening thumb nut again. Plunge planter in ground, rock forward to trip seed, and withdraw.

Price **$2.75**

JOHN DEERE-SYRACUSE WALKING PLOWS

John Deere—Syracuse Chilled Plows were first introduced in 1875. Since that time, they have won the favor of farmers wherever chilled plows are used, due to their superior design, mechanical construction, materials and performance.



No.	Plain	With Wheel	With Wheel & Jointer
1361—L.H.	$21.00	$22.40	$26.35
1362—L.H.	19.75	21.15	25.10
1363—L.H.	18.75	20.15	24.10
1459—R.H.	8.00	9.40	.....
1462—R.H.	19.75	21.15	25.10
1463—R.H.	18.75	20.15	24.10
1464—R.H.	16.00	17.40	21.35
1465—R.H.	14.75	16.15	20.10
1466—R.H.	13.00	14.40	18.35
1467—R.H.	9.90	11.30	.....

GENUINE BOSS PLOWS

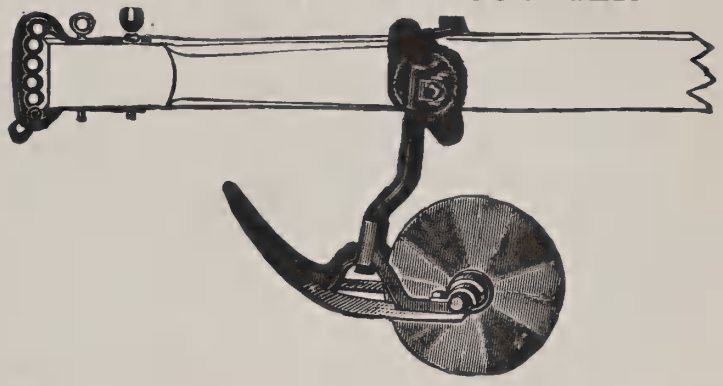
PLOWS

1-Rig	$6.50
2-Rig	7.50
3-Rig	8.50
4-Rig	9.50

REPAIRS

Cabbage Shares	$ .30
No. 1½ and 2 Shares	.35
No. 2½ and 3 Shares	.40
No. 20 Shares	.50
Cabbage Mouldboard	.35
No. 1½ and 2 Mouldboards	.70
No. 2½ and 3 Mouldboards	.80
No. 20 Mouldboards	1.30
Landsides	.55
Clevice	$ .40
Double Mouldboard and Share	3.00
Double Share	1.00
Bolts, All Sizes	.05
Standards	2.75
Handles, Complete	1.50
Handles, loose, each	.65
Beams	1.25

"MOON" ROLLING COULTER



The shoe presses down all weeds and trash and holds same firmly while being cut by the Coulter.

Prices

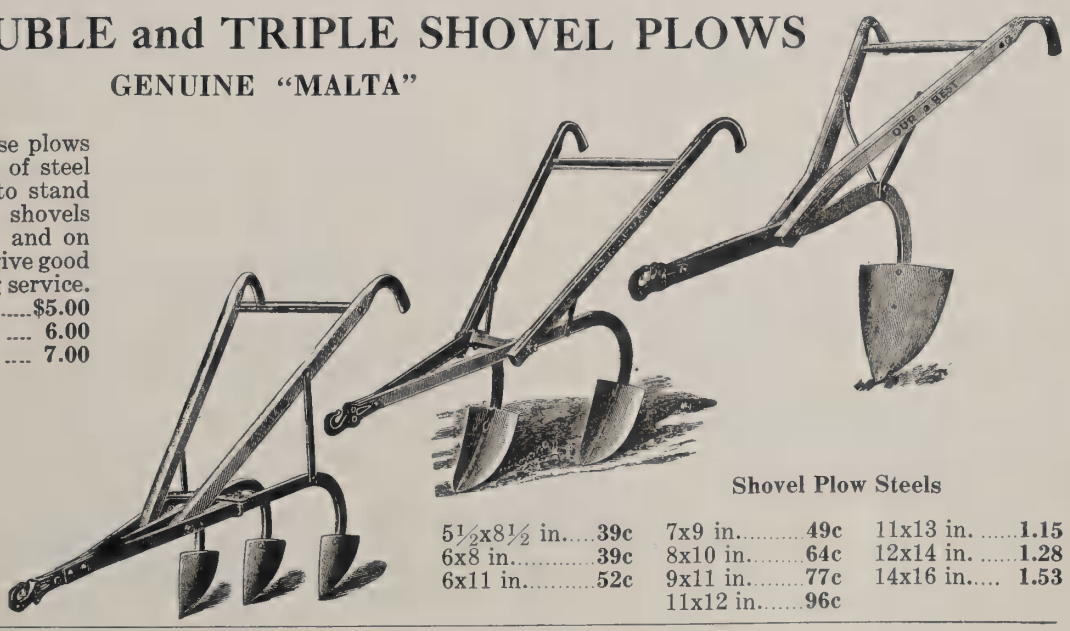
No. 1— 8-inch disk	$5.05
No. 2—10-inch disk	5.65
No. 3—12-inch disk	6.45

SINGLE, DOUBLE and TRIPLE SHOVEL PLOWS

GENUINE "MALTA"

The beams of these plows are of a good grade of steel and heavy enough to stand severe work. The shovels are of good quality, and on the whole, they will give good satisfaction and long service.

Single Shovel Plow	$5.00
Double Shovel Plow	6.00
Triple Shovel Plow	7.00



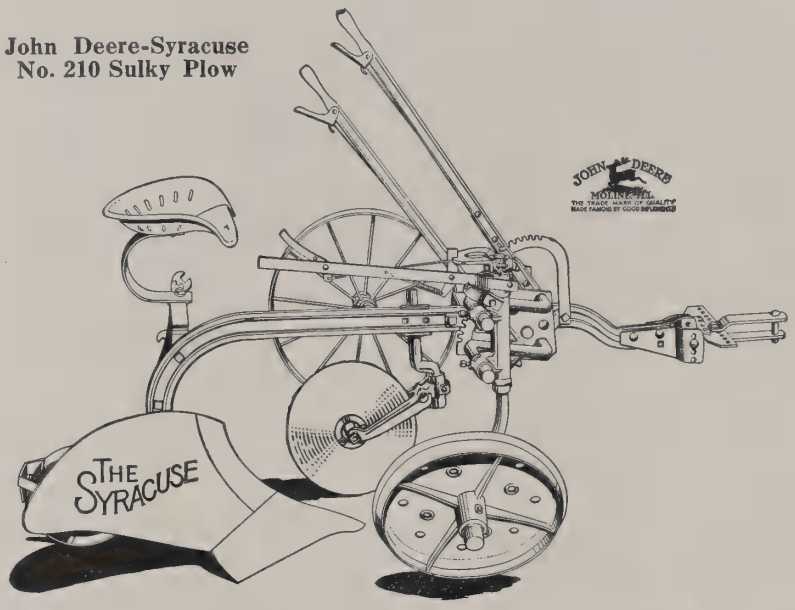
Shovel Plow Steels

5½x8½ in. 39c	7x9 in. 49c	11x13 in. 1.15
6x8 in. 39c	8x10 in. 64c	12x14 in. 1.28
6x11 in. 52c	9x11 in. 77c	14x16 in. 1.53
	11x12 in. 96c	

All Prices Subject to Change Without Notice

JOHN DEERE - SYRACUSE No. 210 SULKY PLOW

A LIGHT-DRAFT ALL-WHEEL-CARRIED PLOW FOR EVERY TYPE OF SOIL



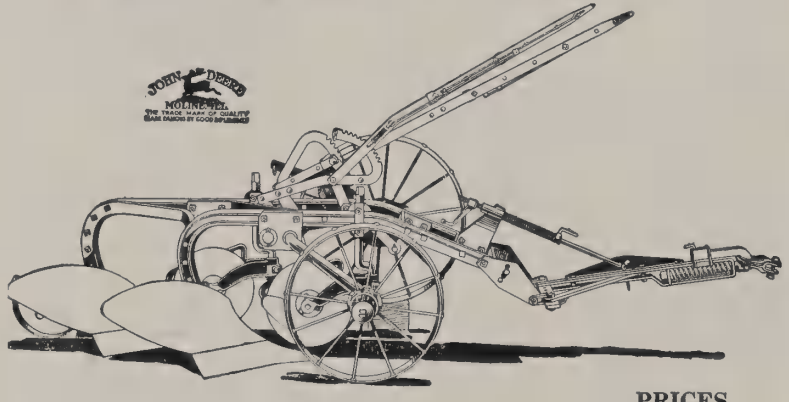
John Deere-Syracuse
No. 210 Sulky Plow

This is acknowledged to be the lightest-draft plow of its type. It does an extra good job of plowing in any kind of soil and under all conditions. It runs level and plows at uniform depth, always even when turning square corners. It's the all-wheel-carried plow that has established its superiority wherever the use of this type of plow is practical. The advantages over the ordinary sulky plow are many. The special design of rolling landside, and the fact that the plow can be used with either the Syracuse or John Deere clean-shedding bottoms are features responsible for the extremely light-draft and good working qualities. The rear weight of the plow is supported by the rolling landside, which serves as the third leg of a triangular rolling support. All of the body and frame weight is properly balanced and rolls on three bearings that run in oil. Thus, friction between the plow and the bottom of the furrow is eliminated, and the side pressure against the furrow wall is minimized. Shares stay sharp longer than on any other riding plows, because the rolling landside prevents the plow from running on its nose. Neither is there any dragging friction, which is equally destructive to share life and light draft. The outstanding feature that is found only on this plow, is the front furrow caster wheel that actually governs the plow; the controlling device that automatically keeps the plow cutting furrows at uniform width and depth at all times.

PRICES

No. 1441—Right, Chilled	Weight 384 lbs.	**$70.00**
No. 1442—Right, Chilled	Weight 376 lbs.	**69.00**

JOHN DEERE No. 52—2 BOTTOM TRACTOR PLOW



Long, conveniently-reached levers make it easy to control depth and leveling accurately.

The power-lift is simple, and positive. It will stand the hardest, roughest work. It will last far longer than any ordinary power lift.

The land wheel, from which the power-lift operates, is solid and straight from tire to box on the inside; it does not pick up dirt or trash, thus it is a natural protection to clutch and driving parts. On a half turn of this wheel, the bottoms lift high and level—no digging into the ground or clogging with trash when turning the ends of the field.

When the bottoms are lowered, they enter the ground point first and penetrate quickly to plowing depth.

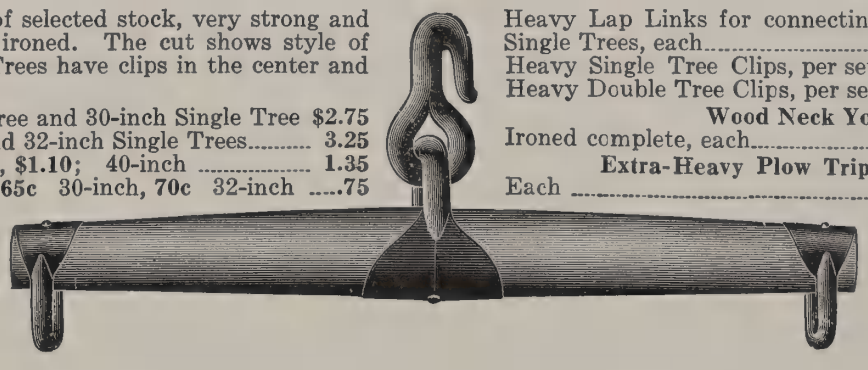
PRICES

No. 1441—28-inch Cut	Weight 813 lbs.	**$112.00**
No. 1442—24-inch Cut	Weight 780 lbs.	**110.00**

WOOD PLOW DOUBLE AND SINGLE TREES

These Trees are made of selected stock, very strong and durable, and are heavily ironed. The cut shows style of Double Tree; the Single Trees have clips in the center and hooks at the ends.

Per set, 36-inch Double Tree and 30-inch Single Tree **$2.75**
Per set, 40-inch Double and 32-inch Single Trees **3.25**
Double Tree only, 36-inch, **$1.10**; 40-inch **1.35**
Single Tree only, 28-inch, **65c** 30-inch, **70c** 32-inch **.75**



Heavy Lap Links for connecting Double and Single Trees, each **.20**
Heavy Single Tree Clips, per set **.45**
Heavy Double Tree Clips, per set **.75**

Wood Neck Yokes

Ironed complete, each **$1.50**

Extra-Heavy Plow Triple Trees

Each **$3.75**

SYRACUSE WALKING PLOWS AND PARTS

No.	Plain	With Wheel	With Wheel and Jointer	Chilled Share	Slip Share	Steel Share	LANDSIDE		MOULDBOARD		Handles Per Pair
							Chilled	Steel	Chilled	Hard Steel	
1461	$21.00	$22.40	$26.35	$ .68	$ .82	$5.10	$1.18	.....	$3.80	$9.00	$2.40
1462	19.75	21.15	25.10	.59	.73	4.75	1.09	.....	3.65	8.50	2.40
1463	18.75	20.15	24.10	.55	.69	4.35	1.00	.....	3.25	7.95	2.40
1464	16.00	17.40	21.35	.50	.64	3.00	.91	.....	2.65	6.80	2.00
1465	14.75	16.15	20.10	.41	.55	2.75	.73	.....	1.95	5.80	2.00
1466	13.00	14.30	18.35	.36	.50	2.75	.68	.....	1.73	.....	2.00
1467	9.90	11.30	.....	.27	.41	1.85	.55	.....	1.40	.....	2.00
601	21.00	22.50	26.90	.68	.82	.....	1.18	.....	3.80	.....	2.55
602	19.75	21.25	25.65	.59	.73	.....	1.09	.....	3.65	.....	2.55
603	18.75	20.25	24.65	.55	.69	.....	1.00	.....	3.25	.....	2.55

JOHN DEERE WALKING PLOWS—RED JACKET—B SERIES AND PARTS

No.	Plain	With Wheel	With Wheel and Jointer	Share Crucible	Share Crucible Qd.	Landside Steel	Mould-Board Hard	Heel for Landsides	Cast Shares	Handles Wood Per Pair	Handles Steel Per Pair
B28	$16.75	$18.15	$22.10	$1.55	.....	7684– 1.75	B108–$4.50	V112–$.45	C36 –$.70	216–$3.75	101–$4.25
B29	18.00	19.40	23.35	1.70	.....	7721– 1.75	B109– 5.25	V112– .45	C37 – .70	216– 3.75	101– 4.25
B110	18.50	19.90	23.85	.....	1.95	7723– 1.75	B110– 6.25	V112– .45	C278–1.05	216– 3.75	101– 4.25

JOHN DEERE TURF AND STUBBLE PLOWS AND PARTS

No.	Plain	With Wheel	With Wheel and Jointer	Share Crucible Steel	Cast Share	Landside Bar Steel	Landside Cast	Mould-Board Hard Steel	Shoe for Landside	Handles Wood Per Pair
MP10	$21.00	$22.40	$26.35	141–$2.05	C141–$ .90	7598–$ .75	.....	MP11D-$7.25	V216–$1.10	212–$4.75
MP12	22.00	23.40	27.35	125– 2.40	C125– 1.05	7598– .75	.....	MP11D- 7.25	V216– 1.10	212– 4.75
MP14	24.50	25.90	29.85	127– 2.65	C127– 1.20	7600– .75	.....	MP15D- 8.75	V218– 1.20	214– 4.75
MP12F	20.00	21.40	25.35	125– 2.40	C125– 1.05	.....	V223–$1.85	MP11D- 7.25	V98 – .65	212– 4.75
MP14F	22.25	23.65	27.60	127– 2.65	C127– 1.20	.....	V225– 1.90	MP15D- 8.75	V98 – .65	214– 4.75

OLIVER CHILLED PLOW PARTS

No.	Share Plain	Share Slip	Land-side	Mould-Board	Set Handles	
					S.B.	W.B.
A-2	$ .25	$ .35	$.60	$1.50	$2.10	$2.25
A.C.-2	.30	.40	.60	1.50	2.10	2.25
BN	.35	.....	.75	1.90	2.10	2.25
BCN.	.40	.....	.75	1.90	2.10	.....
10N	.45	.60	.80	2.15	2.10	2.25
13N	.55	.70	1.00	2.90	2.75	2.75
19N	.60	.75	1.10	3.50	2.75	2.85
20N	.65	.80	1.15	3.75	2.75	2.85
40N	.75	.90	1.25	4.15	2.75	2.85
EIN	.75	.90	1.25	4.15	2.75	2.85
40XX	.90	1.05	1.25	4.15	.....	.....
83N	.90	1.05	1.60	5.00	.....	.....
84	.90	1.05	1.60	5.50	.....	.....

Wood Beams for A. B. 10, 13	$4.20
Wood Beams for 19, 20, E, 40	4.60
Wheels Complete for—Straight Standard	2.10
Wheels Complete for—Brace Standard	2.40
Wood Beam Jointers Complete Two-Horse	4.75
Steel Beam Jointers Complete Two-horse	5.25
Jointer Points	.25
Jointer Moulds	.45

CHATTANOOGA PLOW PARTS

No.	Share Plain	Land-side	Mould-Board
61	$ .20	$ .50	$1.40
62	.25	.60	1.50
63	.45	.80	2.15
64	.55	1.00	2.90
65	.65	1.15	3.75
66	.75	1.25	4.15
70	.20	.50	1.35
71	.30	.55	1.35
72	.30	.55	1.50

CP4166 Slip Noses	$ .15
Chattanooga Jointer Points	.25
Chattanooga Jointer Moulds	.60
Chattanooga Handles Per Pair	

INTERNATIONAL PLOW PARTS

No.	Shares	No.	Land-side
6002-R.H.	$ .85	6021-R.H.	$1.50
6007-R.H.	.90	6022-L.H.	1.50
6027-L.H.	.85	6001M-R.H.	1.00
6028-L.H.	.90	6001-R.H.	.50

No.	Mould-board	No.	Mould board
CP6008R.H.	$5.15	CP6103L.H.	$5.15
CP6009R.H.	5.40	CP6104L.H.	5.40

18 R. H. Jointer Points	$ .25
24 L. H. Jointer Points	.25
CPJT19 Jointer Moulds	.60
CPJT25 " "	.60

SOUTH BEND PLOW PARTS

No.	Share Plain	Share Slip	Land-Side	Mould-Board
B1	$ .35	.....	$ .75	$1.90
B1X	.35	.....	.75	1.90
2	.40	.....	.80	1.95
2X	.45	.....	.80	1.95
2½X	.55	.....	1.00	2.65
3	.55	.....	1.10	3.40
3X	.60	.....	1.10	3.50
R4X	.65	.....	1.15	3.75
10X	.70	.....	1.25	.....

WOOD BEAM CLEVISES

Nos. A.—A. C.	$ .40
All Other Numbers—2 Horse	.85
Three Horse	1.25
Small Shackles	.10
Medium Shackles	.15
Large Shackles	.25
C. Clevis for 2 Horse Plow	1.00

STEEL BEAM CLEVISES

Nos. 6—K.-G.	$ .80
Nos. A.—A. C.	1.05
Nos. B—B.C.—10, 13, and P. B.	1.35
Nos. 9—20	1.60
No. 40	2.10
6 Hole Cross Clevis and Pin	.35
8 Hole Cross Clevis and Pin	.45

STEEL BEAM CLEVISES—Continued

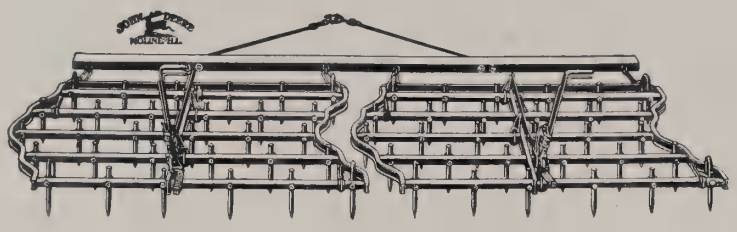
9 Hole Cross Clevis and Pin	$ .55
11 Hole Cross Clevis and Pin	.65
No. 11—Shackle Holder	.25
Shackle Pin	.10
Clevis Jaws, R or L 2960	.45
Clevis Jaws, R or L 2990	.60
Clevis Jaws, R or L.—3 Horse	.65
Cross Clevis Pin	.15
No. 11—Shackle and Pin	.20

WHEELS

State for Wood or Steel Beam

1 Horse Wheels, complete	$2.10
2 Horse Wheels, complete	2.40
Standard Brace, Malleable	1.60
Standard, Straight	.80
Wheels only	.80
Wheel Hubs	.20
Wheel Hub Bolt	.06
Wheel Hook Bolt	.15
Sand Caps	.05

JOHN DEERE SPIKE-TOOTH HARROWS



The John Deere Spike Tooth Harrows are designed and built to give the utmost in value—to do good work not only when new, but for many years. Built in sections with 25, 30 and 35 teeth to the section. 5/8x7/8 teeth.

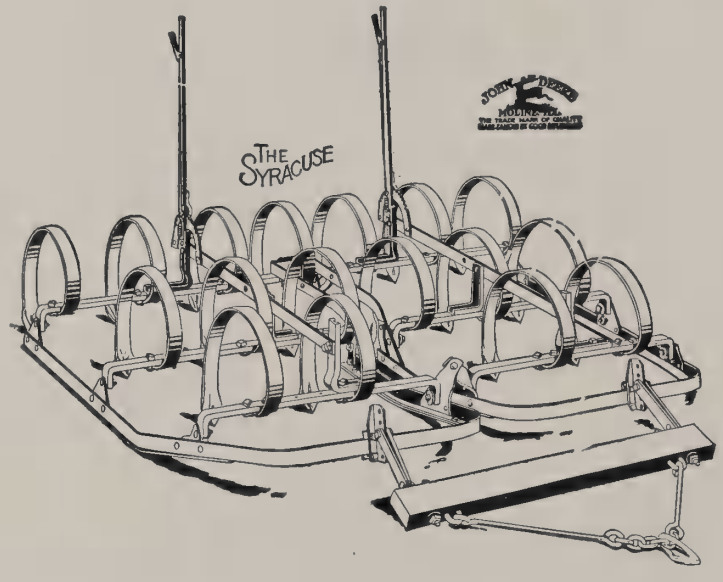
50-Tooth, 5/8x7/8, Spikes Harrow, cut 7 ft. 1 in.....$21.50
60-Tooth, 5/8x7/8, Spikes Harrow, cut 8 ft. 6 in..... 24.50
75-Tooth, 5/8x7/8, Spikes Harrow, cut 10 ft. 7½ in..... 35.00
90-Tooth, 5/8x7/8, Spikes Harrow, cut 12 ft. 9 in..... 39.00

WOOD-BAR SQUARE END HARROW

When you buy a wood-bar harrow, you want it to last a long time. The longer it lasts, the less it costs and the more it pays. Be sure the harrow you buy has the best quality wood—its life is strictly dependent on that quality.

Two Sections—80 teeth—10 feet.....$36.00

SYRACUSE LEVER SPRING TOOTH HARROW



The frame bars of angle steel, thoroughly protected by steel shoes, which double the life of the harrow. Inside frame bars raised at the end, giving free outlet to trash. Frame with small opening in front, absolutely preventing loading at this point, which is so common with other makes. The tooth bars are of channel steel journaled in malleable brackets above the frame which gives the teeth high support and great range or adjustment for depth of cultivation and clearance. Spring teeth of high carbon steel, without bolt holes, and held by malleable holders, allowing for separate adjustment when worn. By use of the levers the teeth can be readily set deep or shallow, or can be thrown out of the ground to clear off trash and for dragging harrow from one place to another. Central and direct draft without side motion; adjustable hitch, so that the teeth at the front and rear can be regulated to work at the same depth. No spring-tooth harrow made is giving such universal saitsfaction.

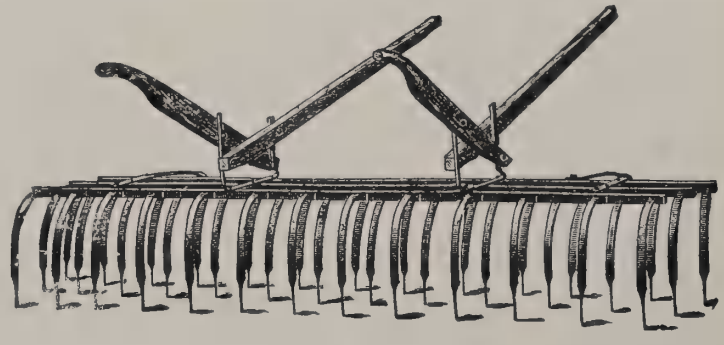
Prices:

15-Tooth.....$27.00
17-Tooth..... 28 50
23-Tooth..... 40.50
25-Tooth..... 42.00

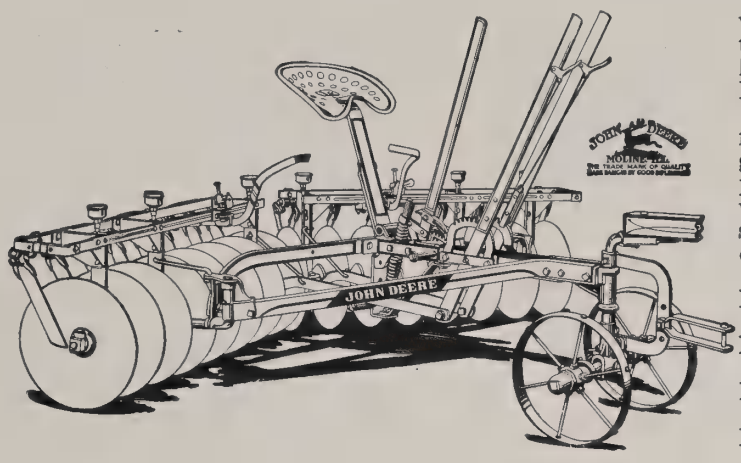
QUADRUPLE WEEDER

This tool has been adopted and passed upon favorably by many of the most practical farmers.

7½ foot wide—39 teeth.....$13.00
11 foot wide—57 teeth..... 22.00
Extra Teeth.....each .32



JOHN DEERE MODEL B DISK HARROW



If every field were as smooth as a board floor, flexibility would be of no advantage in a disk harrow. But the truth is there is no field condition in which a flexible harrow will not do better work than a rigid one. A disk harrow must be flexible to do the best work.

Independent action of the gangs is largely responsible for the flexibility of the Model B. This construction is of great value because it allows one part of the harrow to pass over an obstruction in the field without interfering with the rest of the machine. A rigid harrow, under the same conditions, is likely to leave some of the land uncultivated.

Prices on Model B Disk Harrows

No. BF416— 8 16″ Discs, cuts 4 ft. 2-H.E. and Pole **$52.00**

No. BF418— 8 18″ Discs, cuts 4 ft. 2-H.E. and Pole **55.00**

No. BF516—10 16″ Discs, cuts 5 ft. 2-H.E. and Pole **56.00**

No. BF518—10 18″ Discs, cuts 5 ft. 2-H.E. and Pole **60.00**

Forecarriage in Lieu of Pole..... **9.00**

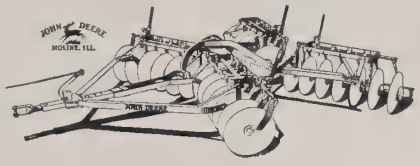
JOHN DEERE MODEL J. B. DOUBLE ACTION TRACTOR DISC HARROW

Among the two types and six sizes you'll find just the right model to match your acreage; your tractor power; your disking job. The Model "J. B." is a double-action disk Harrow that's available in the 5-, 6-, 7-, 8-, 9-, and 10-foot sizes. The Model "J," available in the same sizes, is a single-action machine—the front section of the Model "J. B." used alone.

No. J. B. 516	20-16 in. Discs.	5 foot 4 inch Cut	$ 96.00
No. J. B. 518	20-18 in. Discs.	5 foot 4 inch Cut	103.50
No. J. B. 616	24-16 in. Discs.	6 foot 4½ inch Cut	106.50
No. J. B. 618	24-18 in. Discs.	6 foot 4½ inch Cut	116.00
No. J. B. 716	28-16 in. Discs.	7 foot 5 inch Cut	114.50
No. J. B. 718	28-18 in. Discs.	7 foot 5 inch Cut	125.50

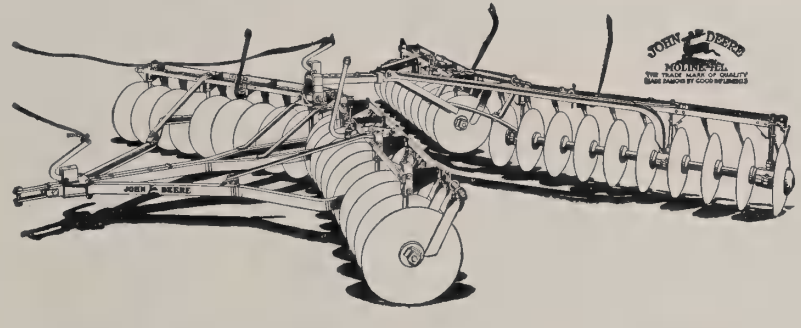
MODEL "J" SINGLE ACTION TRACTOR DISC HARROW

No. J. 616	12-16 in. Discs.	5 foot 10½ inch Cut	$ 54.00
No. J. 618	12-18 in. Discs.	5 foot 10½ inch Cut	58.00
No. J. 716	14-16 in. Discs.	6 foot Cut	57.50
No. J. 718	14-18 in. Discs.	6 foot Cut	63.50
No. J. 816	16-16 in. Discs.	7 foot 11½ inch Cut	63.25
No. J. 818	16-18 in. Discs.	7 foot 11½ inch Cut	69.00



Because of their outstanding design, these new Disk Harrows successfully meet two entirely different field and crop conditions. It's extremely easy to do good work and do it faster with one of these New Harrows, Gangs are angled and straightened by Tractor Power controlled from the Tractor Seat. To angle gangs, just pull a single trip rope.

JOHN DEERE MODEL K. B.—AUTOMATIC TRACTOR CONTROL DISK HARROW



Front and rear gangs can be angled or straightened independently of each other. A pull on the trip rope enables the tractor operator to change the angle of either section instantly to just the proper degree for best disking results.

PRICES:

No. K. B. 618—6 foot 1 inch Cut 20-18 inch Discs..... **$139.00**

No. K. B. 718—7 foot 2 inch Cut 24-18 inch Discs..... **162.00**

No. K. B. 818—8 foot 4 inch Cut 28-18 inch Discs..... **175.00**

14-TOOTH COMBINED HARROW AND CULTIVATOR

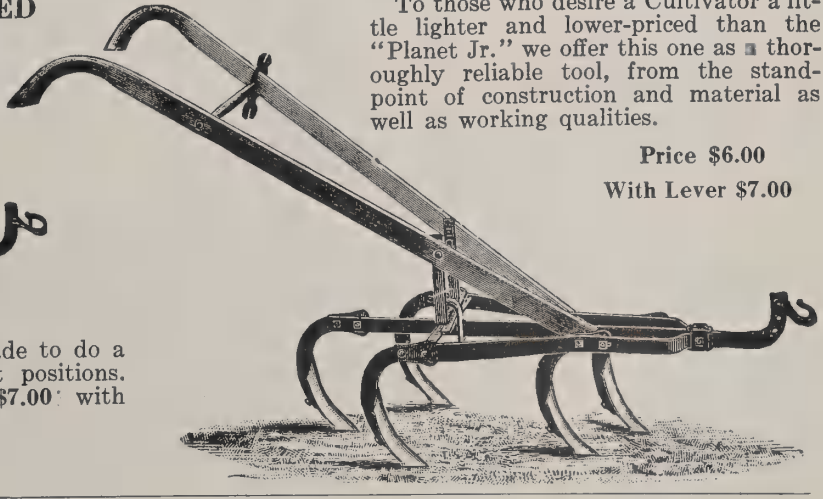
This is a very useful tool, which can be made to do a variety of work. The teeth are set in different positions. Desirable for first cultivation. Price, plain, **$7.00** with lever, **$8.00.**

STRAIGHT FRAME CULTIVATOR

To those who desire a Cultivator a little lighter and lower-priced than the "Planet Jr." we offer this one as a thoroughly reliable tool, from the standpoint of construction and material as well as working qualities.

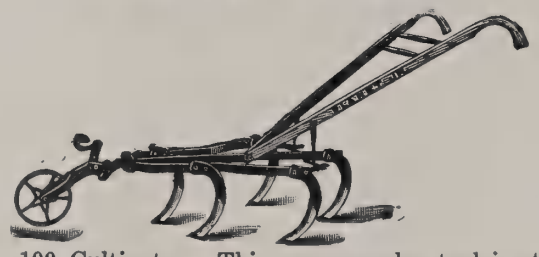
Price $6.00

With Lever $7.00



PLANET JR. CULTIVATORS AND HORSE HOES

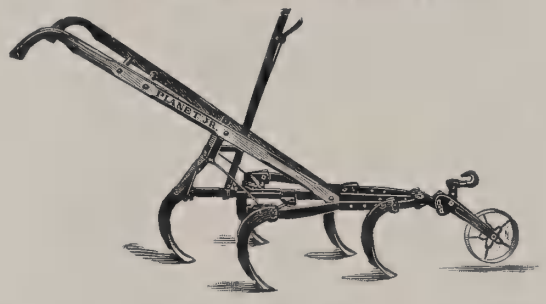
No. 100 PLAIN CULTIVATOR



No. 100 Cultivator. This very popular tool is strong, plain, simple, business-like and does its work to perfection.

No. 100, with wheel	$8.75
No. 100-D, no wheel	7.50
No. 101, with wheel	10.00
No. 101-D, no wheel	8.75

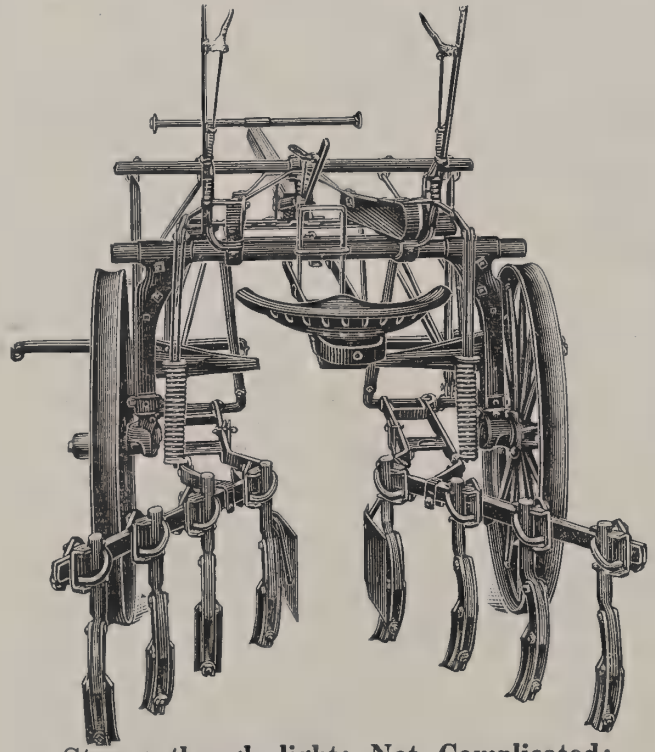
No. 9 PLAIN CULTIVATOR



The No. 9 is well built and of the right design. The especially hardened beveled steel teeth keep sharp and give 50% more service. The No. 9 is light, yet strong, with steel wheel, hollow steel standards, and steel draft hook.

No. 9, with wheel	$12.50
No. 9-D, no wheel	10.75

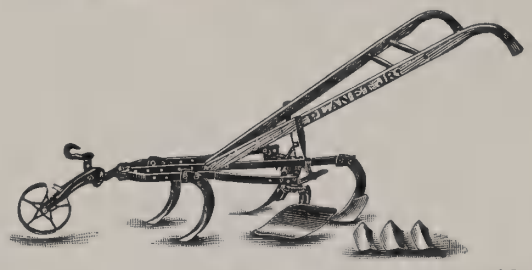
No. 76D Planet Jr. Pivot Wheel Riding Cultivator



Strong though light; Not Complicated; Easily Handled

No. 76-D, 8 Shovel Pin Brake	$69.00
No. 76-G, 8 Shovel Spring Trip	77.00

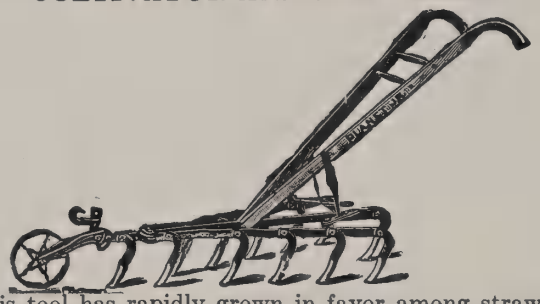
No. 4 PLANET JR. HORSE HOE



This tool is low in price, strong and simple; provided with patent handle braces; firm, simple, strong, convenient.

No. 4, with wheel	$12.25
No. 4-D, no wheel	10.50

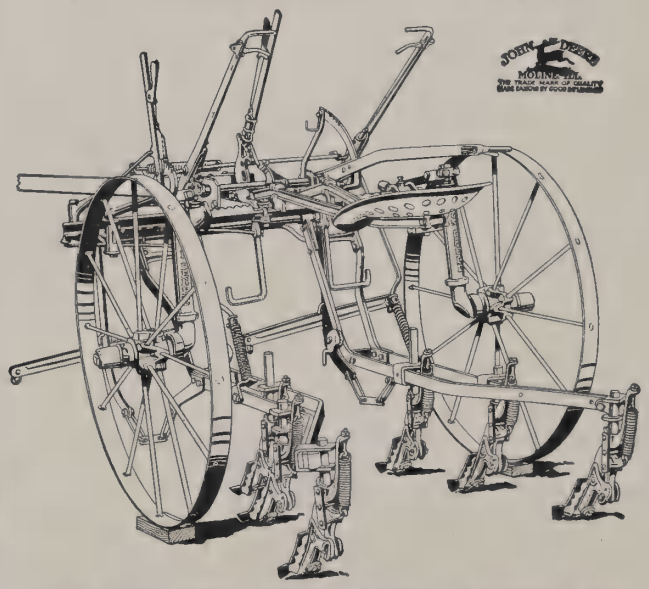
No. 90 PLANET JR. 12-TOOTH HARROW CULTIVATOR AND PULVERIZER



This tool has rapidly grown in favor among strawberry growers, market gardeners, truckers and farmers.

No. 90 Complete	$16.50
No. 90 B. Less Pulverizer	13.50
No. 90 D. Plain	10.75
No. 91 With Wheel	12.50
No. 92 D. Plain	9.50

JOHN DEERE "K. L." CULTIVATOR



This picture Shows the John Deere KL equipped with No. 179. six-shovel. spring-trip aligned rigs.

Space Rigs with Lever—By means of the spread lever, you space the rigs for distance of cultivation from the row. The rigs spread equally at front and back.

Prices:

KL 179—6 Shovel Spring Trip Cultivator	$70.00
KL 200—8 Shovel Spring Trip Cultivator	74.50
KL 178—6 Shovel Pin Brake Cultivator	64.00
KL 199—8 Shovel Pin Brake Cultivator	66.50

SEND FOR SPECIAL CATALOGUE

GENUINE PLANET JR. EXTRAS

TO DETERMINE THE QUALITY OF A CULTIVATING STEEL
Look on the Back
If it reads

You can depend upon it being the Standard of Quality and Design and an assurance of long and satisfactory service.

CULTIVATOR STEELS

	Lb.	Oz.	Price
1 x 8-inch Steel, No. 4064		10	$0.18
1¼ x 8-inch Steel, No. 1156		11	.19
1¾ x 8-inch Steel, No. 2367		11	.20
2¼ x 8-inch Steel, No. 2368		12	.21
3 x 8-inch Steel, No. 2369		14	.25
4 x 8-inch Steel, No. 2370	1	2	.33
1¼ x 10-inch Steel, No. 1888		13	.22
1¾ x 10-inch Steel, No. 1249		14	.23
2¼ x 10-inch Steel, No. 1199		14	.24
3 x 10-inch Steel, No. 1200	1	2	.29
4 x 10-inch Steel, No. 1201	1	8	.35

SHOVEL STEELS

7-inch Shovel Steel, No. 2539	1	8	$0.40
8-inch Shovel Steel, No. 2540	1	12	.45

REGULAR SWEEPS

6-inch Sweep, No. 1614	1	1	.40
8-inch Sweep, No. 1169	1	4	.45
10-inch Sweep, No. 1170	1	7	.50
12-inch Sweep, No. 1171	1	10	.60
15-inch Sweep, No. 1172	1	14	.80
18-inch Sweep, No. 3148	2	3	1.00
24-inch Sweep, No. 3491 and bolts	3		1.75
6-inch One Sided No. 4903/4, pair	1	14	.80
8-inch One Sided No. 3583/4, pair	2	5	.90
9½-inch One Sided No. 3585/6, pair	2	8	1.00
11-inch One Sided No. 3567/8, pair	2	13	1.10

IMPROVED SWEEPS

3-inch Imp. Sweep, No. 2731		10	$0.30
5-inch Imp. Sweep, No. 1494		14	.40
8-inch Imp. Sweep, No. 1495	1	5	.50
10-inch Imp. Sweep, No. 1496	1	9	.60
12-inch Imp. Sweep, No. 1497	1	14	.80
15-inch Imp. Sweep, No. 1498	2	5	1.00
18-inch Imp. Sweep, No. 1499	2	11	1.35
21-inch Imp. Sweep, Bolt, No. 8229	3	3	1.75
24-inch Imp. Sweep, Bolt, No. 3582	3	8	2.25
5-inch Imp. Half Sweeps, No. 5380/1, pair	1	12	.90
7-inch Imp. Half Sweeps, No. 4930/1, pair	2	7	1.20

"G.P." (GENERAL PURPOSE) SWEEPS

6-inch Sweep, No. 6222		15	$0.40
8-inch Sweep, No. 6223	1	3	.45
10-inch Sweep, No. 6224	1	8	.50
12-inch Sweep, No. 6225	1	11	.60
15-inch Sweep, No. 6226	2	1	.80
18-inch Sweep, No. 6227	2	8	1.00
6-inch One Sided G. P. Sweeps, No. 7128/9, pair	2	1	1.00
8-inch One Sided G. P. Sweeps, No. 7130/1, pair	2	8	1.10

TEXAS SWEEPS

6-inch Texas Sweep, No. 5000		14	$0.50
8-inch Texas Sweep, No. 5001	1	6	.60
10-inch Texas Sweep, No. 5002	2		$0.75
12-inch Texas Sweep, No. 5003	2	7	1.00
14-inch Texas Sweep, No. 5004	3	1	1.10
16-inch Texas Sweep, No. 5005	3	8	1.35
18-inch Texas Sweep, No. 5399	3	13	1.60

HILLERS & PLOWS

6-inch Hillers, No. 1167-8	pair	4	12	$1.30
6-inch Hillers, with conn. pieces		6	15	2.20
7-inch Plows, No. 495-6	pair	5	10	1.60
7-inch Plows, with conn. pieces		7	13	2.50

TURNING SHOVELS

5-inch, No. 3822/3	pair	2		$0.75
6-inch, No. 3580/1	"	2	15	.85
7-inch, No. 3824/5	"	3	12	1.10

HOE STEELS

6-inch and Bolt, No. 1163/4	pair	2	12	$1.30
10-inch and Bolt, No. 1165/6	"	3	11	1.60

BEET HOE STEELS

6-inch, No. 3426/7	pair	3	1	$1.25
7-inch, No. 2188/9	"	3	2	1.25
9-inch, No. 3477/8	"	3	11	1.65
Blocking Shields, for Beet Hoes	"		10	.50
Universal Hoes	"	6	13	2.50
Universal Hoe Steels, No. 6731/2	"	4	5	1.75
5-inch Sq. T. H., No. 6626/7	"	4	9	1.75
6-inch Sq. T. H., No. 6628/9	"	5	2	1.75
6-inch Tender Plant Hoes, No. 7272/3	"	5	3	1.50
Crescent Hoes, No. 6624/5	"	3	11	1.50
Irrigation Steel, No. 2248	"	4	7	1.50

FURROWERS

10-in. Furrowers, No. 1161	3	5	$1.00
12-in. Furrower and Bolt, No. 2621	4	5	1.53
15-in. Furrower and Bolt, No. 1162	6	2	1.90
20-in. Furrower and Bolt, No. 292X	12	6	3.60
20-in. Furrower Sharp, No. 293X	11	14	3.60
Wings for 20-in. Fur. per pair	7	4	1.55
Point for 20-in. Furrower, No. 1948		11	.40

DISCS

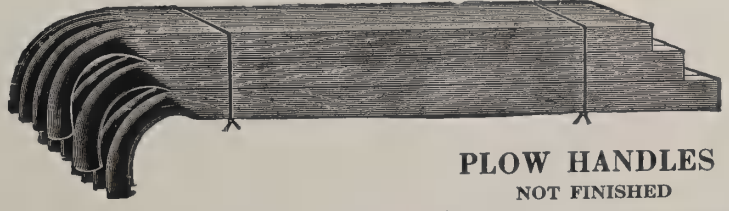
10-inch for B. C.	per pair	16	22	$5.00
12-inch for B. C.	" "	19	8	5.50
12-inch for P. W. C.	" "	30		6.50
14-inch for P. W. C.	" "	33	8	7.50

MISCELLANEOUS

Harrow Tooth, No. 1229		14	$0.40
Chisel Tooth complete, No. 7572X	3	9	1.15
Point for Chisel Tooth, No. 6706		5	.15
No. 3 Wrench		5	.15
Bolts for Steels, 3/8 x 1¼, 1¾ inch		1	.03
Bolts for Steels, 3/8 x 2, 2¼ and 2½ inch		2	.04
Bolts for Steels, 3/8 x 3 inch		2	.05

PLANET JR. ATTACHMENTS FOR HAND MACHINES

		Lb.	Oz.	Price
3-in. S100/1 Hoes (5345/6 Steels)	pair	1	12	$1.20
4½-in. S100/1 Hoes (4059/60 Steels)	"	1	13	1.20
6-in. S100/1 Hoes (4061/62 Steels)	"	1	14	1.30
7½-in. S100/1 Hoes (4802/3 Steels)	"	2	3	1.50
9-in. S100/1 Hoes (4804/5 Steels)	"	2	4	1.70
Muck Hoes, S100/1		2	4	1.80
Special Muck Hoe Attachment		4	6	2.50
Disc Hoes, 3550x/3551/x	pair	5	7	3.75
Disc Hoes, 5316x/17/x	"	3	13	2.50
3-Prong Cult. Teeth, S42/3	"	2	8	1.50
Cultivator Teeth, No. 1395			7	.35
Narrow Cultivator Teeth, No. 2775			7	.35
Rakes, Three Tooth, S24	per pair	1	9	.90
Rakes, Five Tooth, S25	" "	2	2	1.50
Rakes, Seven Tooth, S26	" "	3	1	2.00
No. 1696 Cultivator Tooth			9	.20
No. 1697 Cultivator Tooth			4	$0.15
No. 1704 Plow			13	.40
No. 3999 10-inch Sweep			13	.45
Reversible Scuffle Blade (4557x)		2	6	1.00
8-in. Wheel Hoe Sweep with S-81 Std.		1	3	.75
Plows for Dbl. Whl. Hoes, M5/N5	pair	2	6	1.40
Plows for Sgl. Wheel Hoes, R6, each		2	5	1.15
Double Moldboard Plow, 4678x		2	7	1.70
Double M/B Plow with Conn. Bar		3	7	2.20
5-Prong Attachment (S-94)		1	6	.85
No. 7563X Five Tooth Weeder		2	6	1.25
Pulverizer Attachment	each	3	1	1.50
Onion Harvester, 8-inch 817X		1	13	1.75
Handles	per pair	3	12	1.25
Handles (Bent)	" "	4	12	2.25
No. 5430 Wrench			2	.10

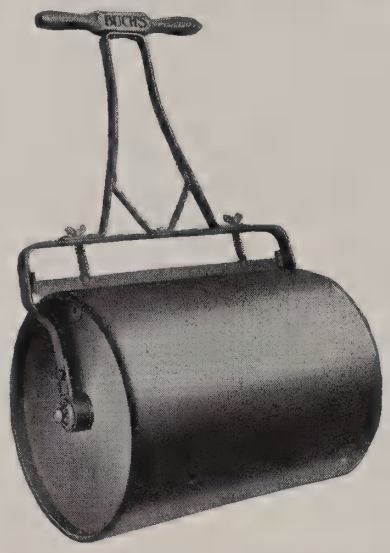


PLOW HANDLES

NOT FINISHED

1⅛x2 ins., 5 ft. long, per pair	$ .60
1¼x2¼ ins., 5 ft. long, per pair	.65
1¼x2¼ ins., 6 ft. long, per pair	.75

WATER BALLAST LAWN ROLLER



Can be filled with water to any desired weight. It can thus be regulated to suit soft turf, firm lawns or driveway, tennis court, etc. It can be emptied for storing away, making it light and easy to handle. The drum is high carbon steel with all seams electric welded. Edges are rounded back to prevent cutting of lawns, courts,etc.

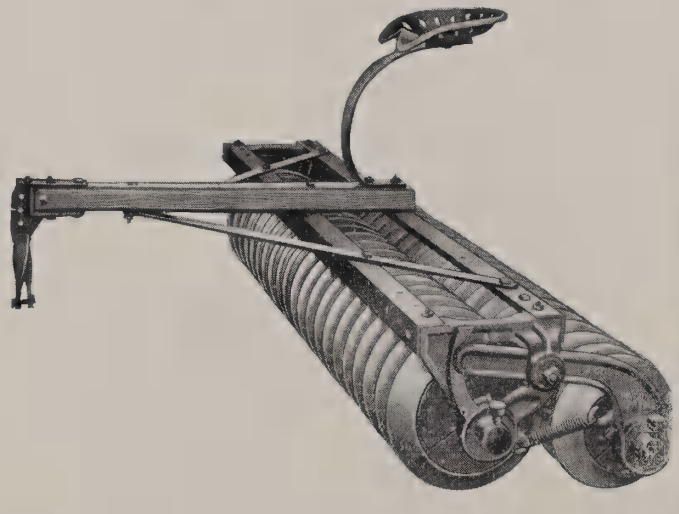
With Roller Bearing

No.	Dia. in.	Length in.	Weight Empty	Filled with Water	Filled with Sand	Price
601	14	24	70	175	400	**$10.00**
602	18	24	85	265	475	**11.50**
603	24	24	110	420	630	**15.00**

With Plain Bearing

605	14	24	.....	**$ 9.00**
606	18	24	.....	**10.00**
607	14	15	.....	**8.00**
608	24	24	.....	**13.50**
609	24	32	.....	**15.50**

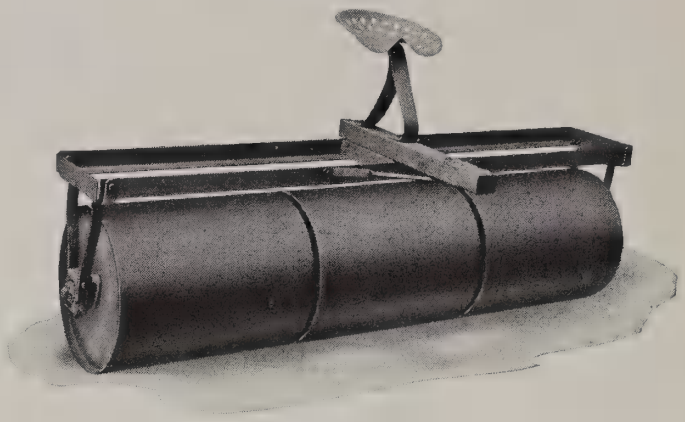
THE BRILLION KING PULVERIZER
With Roller Bearings



Brillion Soil Pulverizers are built in many types and sizes. There is one available to meet successfully the conditions encountered on practically any farm.

No. L. D. 64—Rolling Width 5 ft. 4 in.	**$72.00**
No. L. D. 76—Rolling Width 6 ft. 4 in.	**81.00**
No. L. D. 88—Rolling Width 7 ft. 4 in.	**88.00**
No. L. D. 100—Rolling Width 8 ft. 4 in.	**95.00**
Deduct for Seat and Spring if not wanted	**2.00**
Double Trees and Neck Yoke—Add	**3.75**

CHAMPION STEEL FIELD ROLLERS



No. 106½

This roller has an angle iron steel frame, which makes it an all steel roller, except the tongue, single trees and neck yoke, which are wood. We call particular attention to the patent pressed steel head, which keeps from clogging in the shells as in an open head roller; also to the removable chilled bushing, which is bolted fast to the head, and which is a valuable feature, as they can readily be replaced by any one at a trifling expense and saves the trouble and cost of sending the roller to the machine shop when the bearings are worn out. It has also, heavy iron braces from the pole to frame, making it very rigid and prevents breaking the pole. Best quality workmanship throughout. Can be furnished in one and two horse sizes.

No. 118—One-Horse Roller. Width 56 inches. Diameter 24 inches. 2 sections, steel drums.....**Price $37.50**
No. 105½—Two-Horse Roller. Width 96 inches. Diameter 24 inches. 2 sections. Steel drums.....**Price $40.00**
No. 106½—Two-Horse Roller. Width 96 inches. Diameter 24 inches. 3 sections. Steel drums.....**Price $42.50**
Eveners Extra..... $2.50

GENUINE No. 2 HAINES MARKERS

The marker is a perfect covering or listing machine, covering one or more rows as may be required, and is under perfect control of operator by use of lever that may be adjusted while the machine is in motion.

The marker is very quickly changed from marking to covering; it is only necessary to loosen two nuts and move disc along to the required place and adjust. The machine is graduated with the different distances that may be plainly seen by the operator.

2 Row Marker	**$42.50**
3 Row Marker	**47.50**

The Electric Carpenter

DOES 35 DIFFERENT WOODWORKING OPERATIONS—A COMPLETE PLANING MILL

Today the small machine is coming into its own. The old theory—"that it was necessary to have bulk and weight in order to have strength"—has been exploded. Today clumsy, old fashioned machines that weigh a ton are being replaced by high-speed, ball-bearing machines less than one-fourth their weight. Experienced woodworkers are amazed, and agree the Electric Carpenter can turn out more work than five tons of old-fashioned, single purpose machines and ninety percent of the work of a one-ton combination machine.

Here is the Electric Carpenter—650 pounds—a compact arrangement of practical units, highly developed for the accuracy required in pattern and cabinet shops, that actually does the work of seven separate machines. A complete woodworking shop! An efficient, direct-drive, frictionless, ball-bearing machine, capable of handling 2 in., 3 in. and 4 in. work rapidly.

No other combination machine will do fine, accurate work and cut full sized lumber in so little floor space. And the Electric Carpenter is built for long use and rough service.

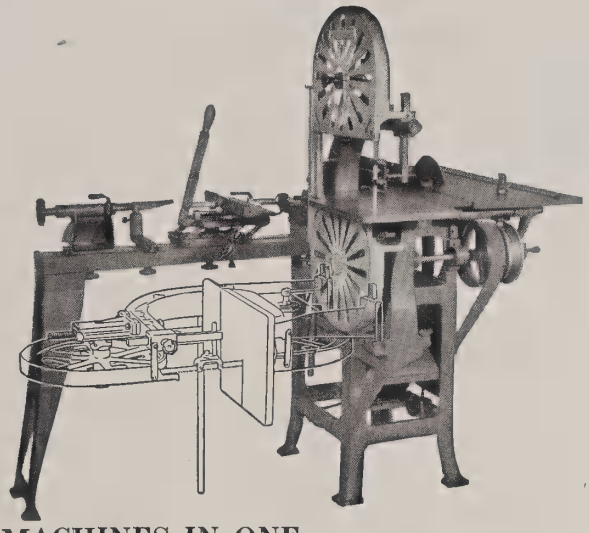
Simplicity of construction—and quantity production—permit a low price that enables the carpenter to turn out his own mill work—at a substantial saving of time and money.

A price that makes it easy to get into business for yourself!

The machine can also be furnished at a slight additional cost with 25 cycle, 50 cycle or 32 volt motors.

It can also be furnished with gasoline driven equipment at slightly additional charge.

NOTE—band saw can be dropped to horizontal position by merely releasing a pin, it folds over on its horizontal support leaving table unhampered for handling large veneer panels, etc.—see below.

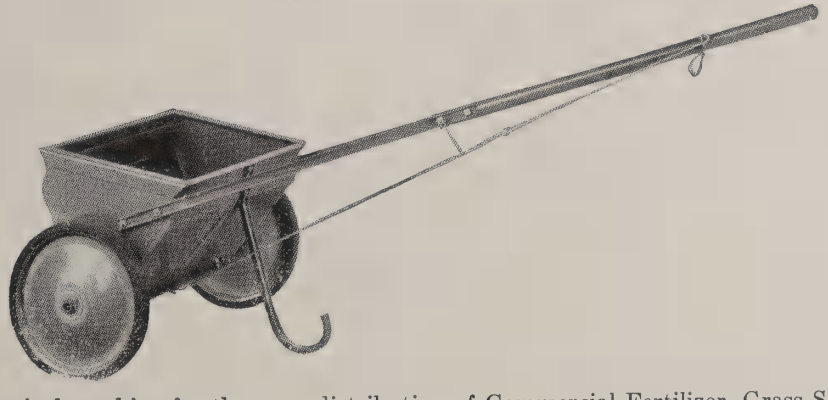


SEVEN MACHINES IN ONE

1. **SAW TABLE**—For cross cutting, mitering, ripping, bevel-ripping, dadoing, ploughing, grooving, rabbeting. Throat 2 inches wide to accommodate moulding head, wide cutters, etc.
2. **JOINTER**—For glue joint surfaces in flat sides, glue joint surfaces on edges, either square or bevel champfering.
3. **BAND SAW**—For all varieties of band sawing, notching, tenoning, circle cutting, segments, sun bursts, brackets, tilting table bevel cutting.
4. **SHAPER**—For mouldings, quarter round, half round, screen mouldings, shaping, edges on table tops, bases and many other jobs.
5. **SPEED SPINDLE**—For disc sanding, tool grinding, buffing, polishing, carving with flexible shaft. Takes chuck for boring bits, etc.
6. **MORTISER**—For screens, screen doors, sash, frames, furniture, accurate cabinet work where powerful leverage and accurate machined table are necessary.
7. **LATHE**—For wood turning of all kinds, table legs, handles, spokes, rounds, bases, knobs, trim, spindles, beading, etc.

Price - $325.00

MASTERS HAND FERTILIZER DISTRIBUTORS



A strong sturdy practical machine for the even distribution of Commercial Fertilizer, Grass Seed, Top Dressing and other material.

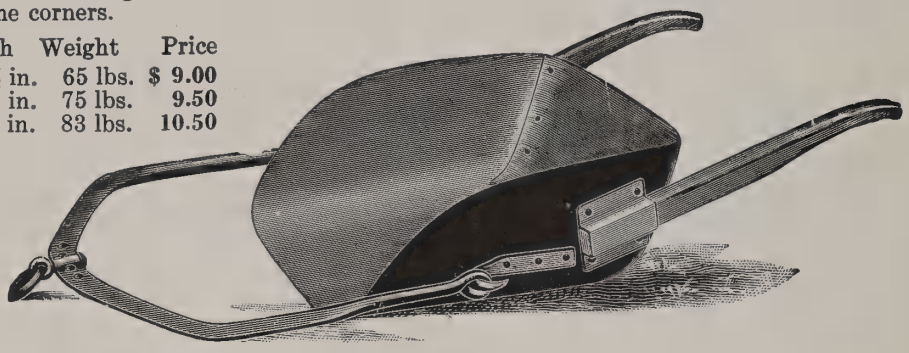
PRICES:

Home Lawn Distributor	$ 6.50
No. M180—Perfect 24 inch for Small Estates	11.00
No. M241—Perfect 36 inch for Parks, Golf Courses, Etc.	16.00

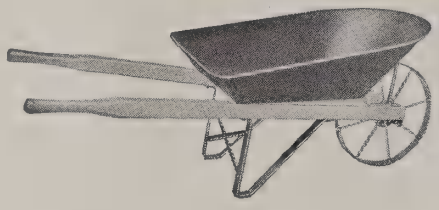
DRAG SCRAPERS

Made of heavy steel plates and are cut from a single sheet pressed cold, lapped and riveted at the corners.

No.	Capacity	Length	Width	Depth	Weight	Price
3	3 cu. ft.	29 in.	27½ in.	18½ in.	65 lbs.	$ 9.00
2	5 cu. ft.	31 in.	28 in.	10½ in.	75 lbs.	9.50
1	7 cu. ft.	32½ in.	31 in.	11½ in.	83 lbs.	10.50



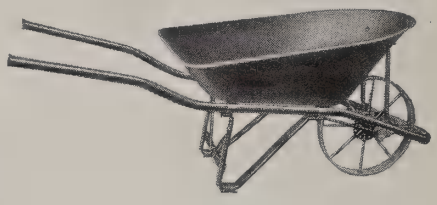
STEEL TRAY, WOOD FRAME BARROWS



Pressed trays with reinforced edges. Capacity 3 cubic feet. Handles are made of hard wood smoothly finished on all sides. **Price $4.50.**

CONTRACTORS BARROWS

All steel trays pressed from heavy gauge sheet steel with wired edges. Tubular frames.
No. S-4 capacity 4½ cubic feet heaped **$9.00**
No. T-8 capacity 6 cubic feet heaped **$11.00**



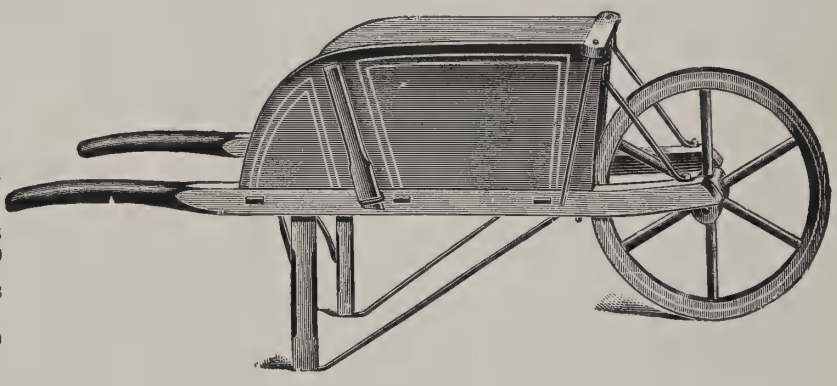
GARDEN AND FARM BARROWS

Made of seasoned hard wood. Removable sides. Wood or steel wheel. Attractively painted. Strong. Neat and durable. Made in three sizes.

No. 1—Size of body 30 inches long, 24 inches wide in front, 25 inches in back, **Price $8.75**

No. 2—Size of body 28 inches long, 20 inches wide in front, 24 inches in back....**Price $7.50**

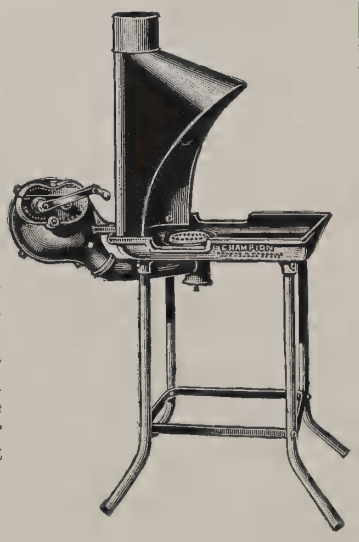
No. 3—Size of body 26 inches long, 19 inches wide in front, 22 inches wide in back. **Price $7.00**



CHAMPION EUREKA GEARED FORGES
WITH CAST IRON HEARTH

An Ideal Farm Forge for general use, large enough for plow-share work. Burns coal, coke or charcoal. The hearth is heavy cast iron, insuring durability, as it will not rust out. Forge Hearth is 30 inches high with well-braced legs, and the blower has 10-inch fan case. Speeded 48 to 1, that is, each turn of the crank produces 48 turns of fan, giving operator blast equal to a power blower with moderate turning.

This forge will put a welding heat on 4-inch iron in ten minutes. No. 243 Forge with halfhood, for indoor use; 9-inch stovepipe will fit hood.



No. 242 Forge with Shield for Outdoor use.
No. 104 Forge with half hood, as illustrated.

No.	Hearth	Fan	Height	Weight	Price
243	20 x 26″	10″	30″	120 lbs.	$23.00
242	20 x 26″	10″	30″	115 lbs.	20.00
104	18 x 20″	″8	30″	90 lbs.	13.50

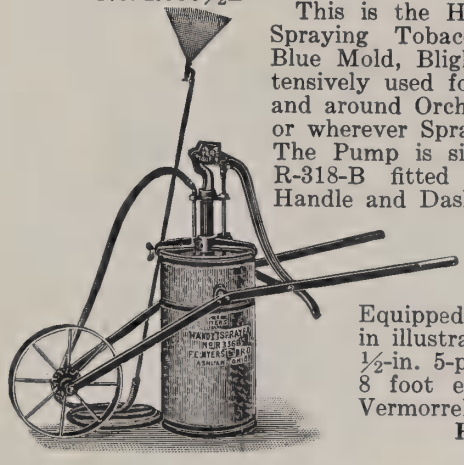
MASTERS "HANDI-CART"

Replaces the old fashioned awkward wheelbarrow for every purpose. New and greater convenience for the 101 odd jobs around the home, garden, garage. Garden work really becomes a pleasure. Just tip it down and rake grass-cuttings, leaves, earth, sand, gravel,or "what have you" right into the cart, then tip it back and you have a full load. To load heavy stones, bricks, cement blocks or other heavy objects, just tip front down and you don't have to lift at all.

No. 1—Two Cubic Feet Capacity **$4.75**
No. 2—Three Cubic Feet Capacity..... **6.75**
Either cart with 1¾ inch puncture proof balloon tire Add..... **1.50**

MYERS HANDY PORTABLE SPRAYER

No. R336½B



This is the Handy Sprayer for Spraying Tobacco Beds against Blue Mold, Blight, etc. Also extensively used for White Washing and around Orchards, Greenhouses or wherever Spraying is necessary. The Pump is similar to our No. R-318-B fitted with Cog Gear Handle and Dasher Agitator.

Equipped complete as shown in illustration, with 15 feet ½-in. 5-ply discharge hose, 8 foot extension rod and Vermorrel nozzle.

Price $26.50

THE MYERS COMPRESSED AIR SPRAYER

Will spray all kinds of Liquid Insecticides and Fungicides. Not recommended for white-washing or painting. Made in two sizes; galvanized or brass:

No. 2240—Galv. Tank, 2½ gallons capacity **$5.25**
No. 2240B—Brass Tank, 2½ gallons capacity **9.50**
No. 2242—Galv. Tank, 4 gallons capacity **6.00**
No. 2242B—Brass Tank, 4 gallons capacity **10.50**

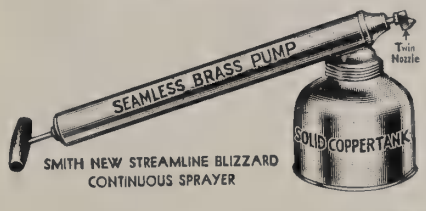
MYERS COG-GEAR DOUBLE ACTING SPRAY PUMP

No. R316B

No. R316B Pump complete, 50 gallon barrel mounted as shown, with pressure gauge, one 15 ft. lead of ⅜ inch 7-ply discharge hose, one Fembro Fig. 1290 nozzle, one 8 ft. pipe extension with lever shut off and mechanical agitator. Price, **$60.00.**

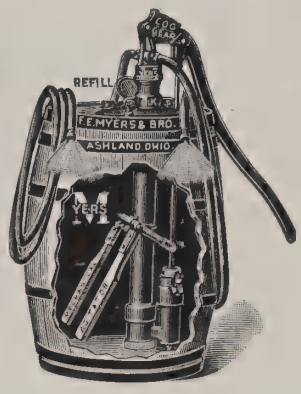
No. R316C Pump complete, 50 gallon barrel mounted as shown, with pressure gauge two 15 ft. leads of ⅜ inch 7-ply discharge hose, two Fembro Fig. 1290 nozzles, two 8 ft. pipe extensions with lever shut-offs and mechanical agitator. Price, **$66.50.**

BLIZZARD HAND SPRAYER



Capacity 1⅛ qts. Seamless brass 1½″ x 15″ long. Twin nozzles for straight or angle spraying. Throws a continuous spray. Price..... **$1.75**

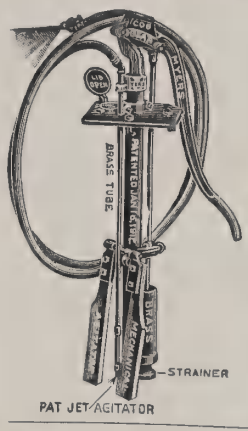
MYERS O. K. COG GEAR SPRAY PUMP



Recommended for spraying or white-washing. For hot, or cold or any kind of mixture. Can be fitted for one or two leads of hose. Price with one lead of 15-foot hose and nozzle, less the barrel..... **$27.00**

Pipe extension with lever shut off..... **$2.15**

No. R-318-B MYERS SPRAY PUMP



Will handle any caustic mixture. The cylinder and discharge pipe are all brass. The air chamber is 32 inches in length, enabling the pump to throw a uniform, constant and elastic spray.

Price with one lead of 15-foot hose and nozzle, less the barrel **$17.00**

Pipe extension with lever shut off..... **$2.15**

LEVER BUCKET SPRAY PUMPS

R324

No. R324 represents the Myers Lever Bucket Spray Pump, made of brass and fitted with brass valves and patented agitator.

Price, plain..... **$6.50**

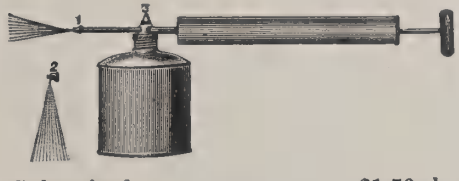
Add for 8 foot extension rod..... **$1.10**

HARCO SPRAYER

Solves every spray problem !

Here's the efficient, easy-to-use sprayer you want at the down-to-earth price you want to pay! Sprays up, down, sideways without adjustment. No leaks or drips to wet hands or stain clothing.

Order yours today. **$1.95**



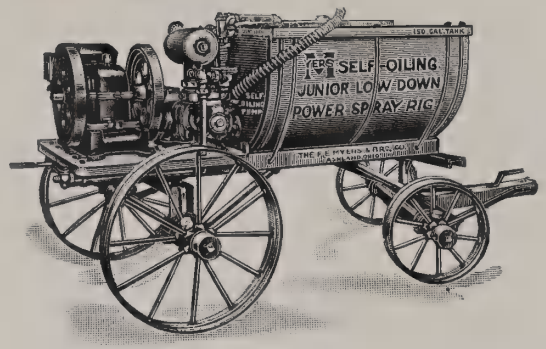
HAND SPRAYER (Continuous)

Galvanized..... **$1.50 by Parcel Post $1.60**
Brass..... **$1.75 by Parcel Post $1.85**

MYER'S PERFECT-FOG SPRAY GUNS

No. 36 Triple Spray Gun with hose swivel (as shown)..... **$10.25**
No. 35 Triple Spray Gun without hose swivel **9.25**
No. 13 Myers Spray Gun with hose swivel..... **8.00**
No. 12 Myers Spray Gun without hose swivel..... **7.00**

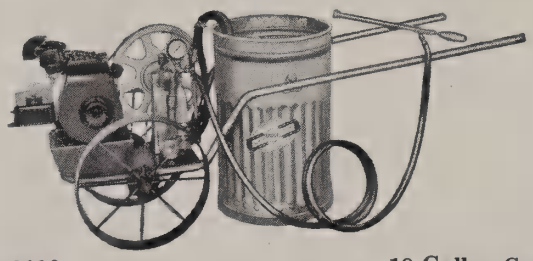
THE MYERS JUNIOR LOW DOWN POWER SPRAY RIG



Specially designed for the farmer with a small orchard who raises fruit for his own use, or for Spray Rings or Community Spraying where several farmers combine to do their own spraying or hire one of their number to spray for all.

The Myers Junior Low Down Power Spray Rig as furnished ready for the field. It has a 100 gallon Cypress Tank and Semi-Rotary Agitator. Prices on application.

DOBBINS SUPERBILT SPRAYERS
Power Wheelbarrow Sprayer



No. 3193 **18 Gallon Capacity**

A NEW PORTABLE POWER SPRAYER of the wheelbarrow type that efficiently fills the demand for a HIGH PRESSURE, light, portable spray outfit for the greenhouse, florist, nursery, small orchardist, estate owner, clubs or in any service where considerable spraying is necessary.

The PUMP develops 250 pounds of pressure and the large air chamber assures a uniform discharge from the brass spray gun with variable discharge instantly controlled, from a fine fog spray, coarse spray or long distant spray. Pressure relief valve can be regulated to any pressure up to maximum.

Powered with ½ HP high speed ENGINE.....**Price $75.00**
3193 R. with Semi-Pneumatic Tires .....**Price $81.50**

THE MYERS NEW IDEA KNAPSACK SPRAY PUMP

No. 1330A—Equipped with brass pump with a jet agitator that keeps the liquid thoroughly mixed. Tank capacity 4-gallons. **Price $14.50**

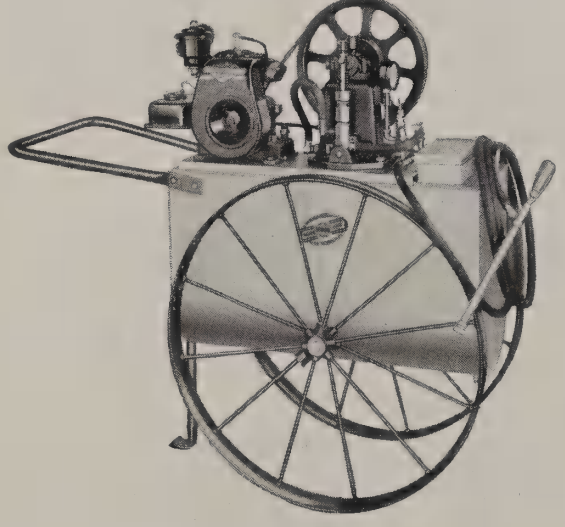
MYER'S TRACTION SPRAYER

For Tobacco, Potatoes, Berries, Row Crops, Flowers or Nursery Spraying.

No. 1078 complete as illustrated, with 25 gallon galvanized tank, semi-rotary agitator, adjustable boom, nozzles, lever shut-off and relief valve ready to spray.....Price **$72.50**

No. 1078½ Similar to No. 1078 with 3 nozzles to the row for potatoes, vegetables, etc.....Price **$77.50**

DOBBINS EVEREADY POWER SPRAYER



The model 3240—pictured at left—is the latest addition to the famous line of Dobbins SUPERBILT Power Sprayers.

SPECIFICATIONS

DISCHARGE—1½ gallons per minute at 250 lbs. maximum pressure.

ENGINE—½ HP Briggs & Stratton or 1/3 HP electric motor as ordered.

TANK—25 gallon capacity. Heavy steel, securely welded. Rust-proofed. Large filler opening and removable strainer.

PUMP—Brass with hardened stainless steel valves and valve seats. Stainless steel piston, large air chamber, adjustable relief valve and pressure gauge.

DISCHARGE EQUIPMENT—12½ ft. of 3/8″ high pressure hose with variable spray gun. No. 3402 Boom supplied as an extra.

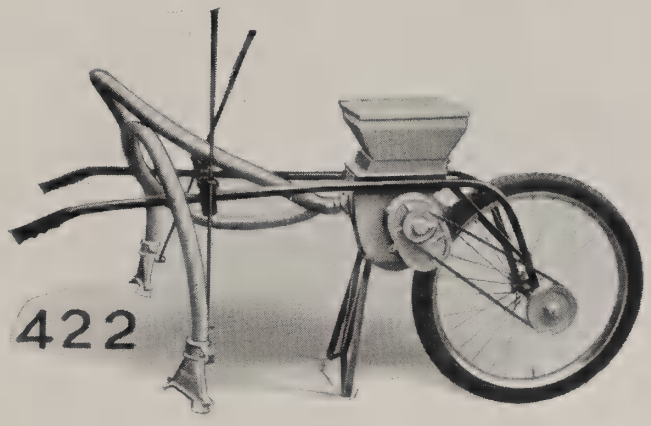
AS A ROW CROP SPRAYER

The No. 3402 two-row, four nozzle boom can be quickly and easily attached for all row crop straying.

Nozzles are adjustable for rows from 20″ to 56″ apart and to any height from ground to 40″. Adjustable for over-leaf or under-leaf spraying.

No. 3240—Engine Driven, Steel Wheels **$93.75**
No. 3240R—Engine Driven, Pneumatic Tires **102.50**
No. 3402E—Adjustable Boom **8.65**

HT and HJT TRACTION WHEELBARROW DUSTERS



Cut 422 shows HJT-2 a two row Duster with one nozzle to the row. Also furnished HJT-4, two row, two nozzles per row.

The nozzles are adjustable for low, medium and high crops.

The power to operate Duster Blower Unit is transmitted from the wheel through a ratchet pulley via a "V" belt to a "V" pulley on shaft in a grease tight gear case mounted on side of Duster Blower Unit.

Duster shown in Cut 422 is equipped with a pneumatic tired wheel, also furnished with steel tired wheel.

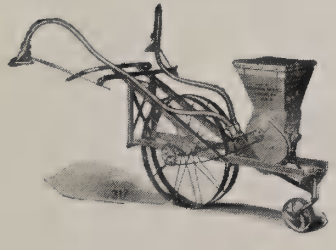
Two Row, One Nozzle to the Row

HJT—2 Pneumatic Tire **$32.00**
HT—2 Pneumatic Tire With Dust Mixing Hopper..... **37.50**

Two Row, Two Nozzles To The Row

HJT—4 Pneumatic Tire..... **42.00**
HT—4 Pneumatic Tire With Dust Mixing Hopper..... **47.50**
If wanted with Steel Tires Deduct..... **2.00**

MODEL "S" DUSTERS



No. SH-2 Texas Junior, two row, 1 nozzle per row, 1 horse, traction driven Duster. Also furnished 2 nozzles per row as No. SH-4.

Here is a duster that every tobacco grower should have; for dusting Paris Green, Arsenate Lead or any other powdered insecticide on plants for the extermination of tobacco worms. This is a traction duster and can be equipped with two or four nozzles, for dusting high or low plants. The duster is made of heavy gauge copper bearing sheet steel. Copper bearing steel is used for rust and corrosion resistance. The fan and feeder are made of cast aluminum. The hopper has a capacity of about 30 pounds of dust. The duster is equipped with ball and roller bearings and alemite lubricating system.

No. SH-2.....Price **$65.00** No. SH-4....Price **$80.00**

HAND DUSTERS

Made of heavy gauge copper bearing sheet steel and will resist rust and corrosion. The fan and feeder are made of aluminum. Has an adjustable feed gauge to control the amount of dust. Can be used as single or double row duster.

No. HJ1—Single Duster **$14.00**

No. HJ2 Double Duster **$16.00**

PLATZ GREEN DOUBLE ACTION DUSTER

The Double Action Duster is identical with the Single Action in construction with the exception of the double bellows, which insures a more steady flow of dust with the same ease of operation, and is better adapted for dusting a denser growth of foliage.

Net weight, 17 pounds. Capacity, 20-30 pounds.

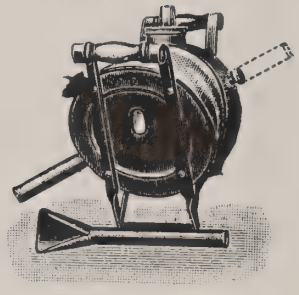
Price $20.00

Single Action Duster $16.00

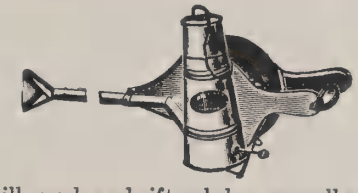
PLATZ GREEN HAND DUSTER

Easy to work and regulate. Practically indestructible—wearing parts can be readily replaced. Excellent for dusting either hill crops or underside of foliage. Handles any dust that can be used in larger outfits.

Price $7.00

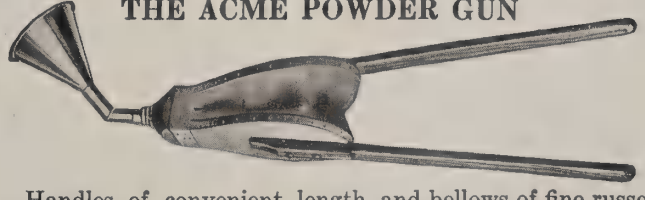


PLATZ FAMOUS HAND DUSTER



Its agitator will crush and sift sulphur as well as the standard dusting materials. Regulator is adjustable for a light or heavy application. Bellows of high quality leather. Extension pipes and spreader of 24 inches. **Price $6.00**

THE ACME POWDER GUN



Handles of convenient length and bellows of fine russet leather. A very practical and convenient way of applying Paris Green, Lice Killers, Insect Powder, etc. **Price $1.75**

FELIN'S VEGETABLE TYING MACHINE

Will tie bunches any size from one-quarter to five inches. Automatically adjusted to any size bunch. Special literature upon request.

Standard $65.00
Universal Ball Bearing.....75.00
Electric Power Bunch Tyer 150.00

BARRETT ROOFING

DEPENDABLE ROLL ROOFINGS
FOR EVERY PURPOSE AND EVERY PURSE

There's a **Barrett Roll Roofing** definitely right for every purpose. If you want color on the roof, Barrett Mineral-Surface Roll Roofings surfaced with firmly embedded minerals in non-fading colors, red, green, blue-black, emerald green, Spanish red or variegated—provide a wide variety of styles to choose from. All are built to give just the sort of service they are recommended for—with a degree of certainty no other roofing equals.

TOMAHAWK ROOFING

A low priced roofing of good value. 36 inches by 36 feet.

Weights	Price
Heavy—55 lbs. per roll	$1.35
Medium—45 lbs. per roll	1.15
Light—35 lbs. per roll	1.00

PANAMOID ROOFING

Good quality, medium-priced roofing, mica surfaced on both sides. 36 inches by 36 feet.

Weights	Price
Extra Heavy—65 lbs. per roll	2.10
Heavy—55 lbs. per roll	1.80
Medium—45 lbs. per roll	1.50
Light—35 lbs. per roll	1.25

EVERLASTIC ROLL ROOFING

The standard of smooth-surfaced roofings, 36 inches by 36 feet.

Weights	Price
Extra Heavy—70 lbs. per roll	$2.55
Heavy—60 lbs. per roll	2.25
Medium—50 lbs. per roll	1.85

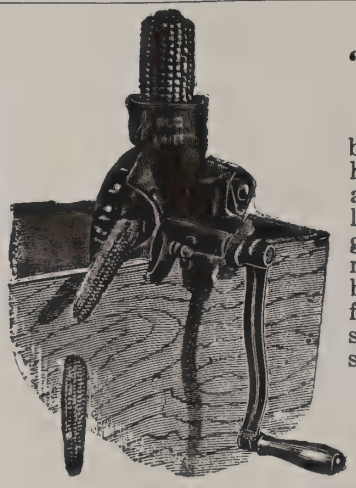
Underwriters' Label

VITEX ROLL ROOFING

A smooth-surfaced roofing for good service at a medium price. 36 inches by 36 feet.

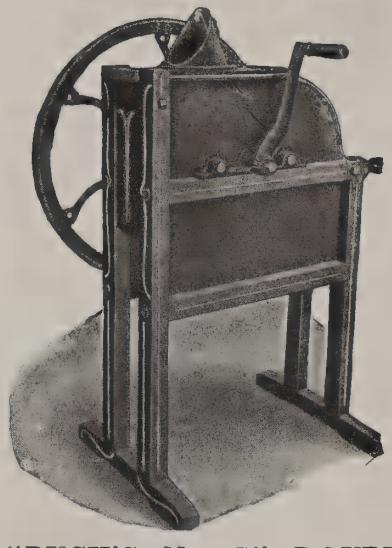
Weights	Price
Extra Heavy—65 lbs. per roll	$2.50
Heavy—55 lbs. per roll	2.00
Medium—45 lbs. per roll	1.70
Light—35 lbs. per roll	1.40

Underwriters' Label



"RED CHIEF" CORN SHELLER

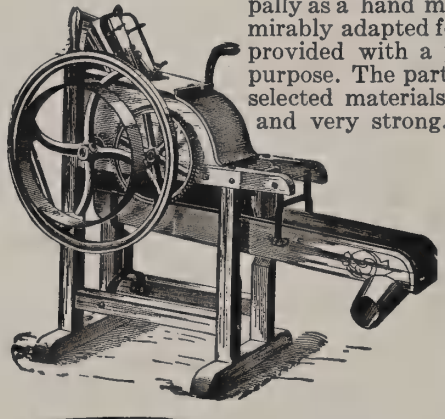
This is undoubtedly the best Sheller of its class. It has a suitable device for adjusting it to take either large or small ears, and do good work with either. It readily attaches to barrel or box, and is just the thing for persons who have but a small quantity of corn to shell. Price, $2.25.



"BUCH'S No. 3" SINGLE SPOUT CORN SHELLER

This very popular Sheller is well made, light running, and will give good service. It has large balance wheel, with heavy rim and wrought-iron spokes. The journal boxes are engine bored and bolted to hardwood frames. Handsomely finished. Separates corn from cob. With sieve, **$15.00**

"BUCH'S No. 7" DOUBLE SPOUT CORN SHELLER



While this sheller is used principally as a hand machine, still it is admirably adapted for light power and is provided with a pulley just for that purpose. The parts throughout are of selected materials, made extra heavy and very strong. Well put together and nicely finished. Cold rolled steel shafts and steel shaker pitman. Journal boxes are made in two parts and can be adjusted to take up wear.

Capacity 500 to 600 bushels per day. Price, with shaker.....$35.00

EVERJET PAINT

For Rust Prevention

1 gal.....$ .75 5 gal..... 3.25

LIQUID ELASTIGUM

A durable, liquid roof-coating that gives new life to old roofs. 1 gallon.....$ .75 5 gallon can.....$2.50

PLASTIC FLEXIGUM

A good quality water-proofing cement of Troweling consistency. 5 lbs. 50c, 10 lbs. 75c, 25 lbs. $1.50, 100 lbs. $5.00.

U. S. AUTOMATIC ROPE EXTENSION LADDERS

Side Rails—Clear, straight-grained Ladder Stock.

Rungs—Clear, straight-grained Hickory, smoothly finished to 1⅛ inches in diameter, and 12 inches apart. Tenon ⅞ inch. Automatic Locks are made of the best malleable iron, self-balancing, safe and durable, and easy to operate.

Guide Irons made of heavy pressed steel.

Made in even lengths sections from 20 to 44 feet, inclusive.

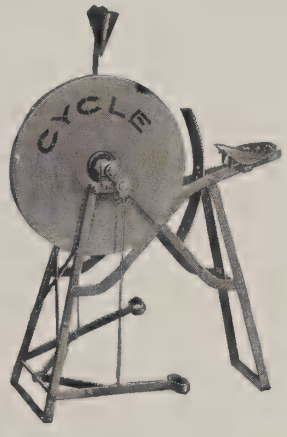
18 to 32 ft. Price per foot.....**.42**
34 to 44 ft. Price per foot.....**.45**

ROYAL STEP LADDERS

As a general purpose and household step ladder, this will be found to be safe, strong and durable. Made of clear straight-grained Southern Pine. Handle spreader, bucket rest, every step rodded and trussed. Channel steel back braces. maroon hardware. Approximate weight 3½ lbs. per ft. Made in 4, 5, 6, 7, 8, 10, and 12 ft. lengths.

4 Foot	**$1.75**	5 Foot	**$1.15**	6 Foot	**$2.50**
7 Foot	**3.00**	8 Foot	**3.90**	10 Foot	**4.90**
12 Foot	**5.90**				

GRINDSTONES



No. 1 Steel Frame, anti-friction roller bearings. Steel axle. Bushings hold stone securely to axle. Adjustable seat. Stone of best Berea Grit. Stone 19 to 22 inches in diameter. Thickness 1¾ to 2¼ inches.

Price **$10.00**

No. 2 Steel Frame. Equipped with treadle and crank for hand or foot power. Dimensions of stone same as No. 1.

Price **$10.00**

SINGLE LADDERS

Made of Norway Pine or Fir. Rungs straight grained Hickory.

Fruit picking ladder bowed to point.

Made in even lengths, 10 to 22 feet inclusive.

PRICES:

Common Straight Ladder from 8 to 16 feet.

	Per Foot
Fir Side Rail	$ .33
Norway Pine Rails.....	.33
Over 18-ft. Add.....	.03

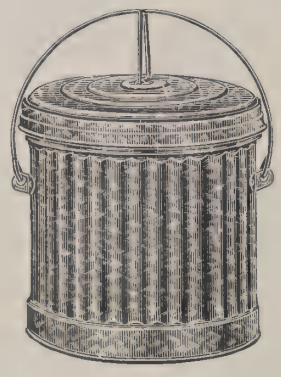
FRUIT PICKING LADDER

	Per Foot
Fir Side Rail.....	$ .40
Norway Pine Rail.....	.40

GARBAGE CANS

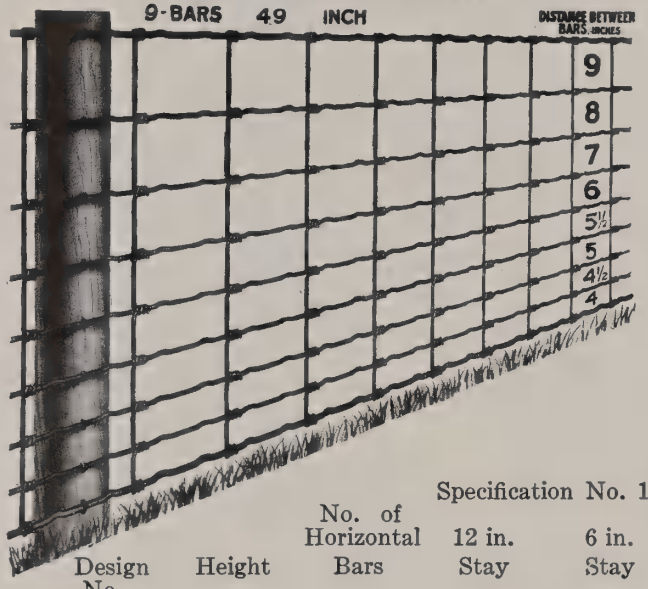
Hot-dipped Galvanized. Deep Corrugations. Seamless covers. Wire bail shaped to securely lock cover.

No.	Cap. Gals.	Size in.	Wt. each lbs.	Price
31	4¼	12x10¼	4	**90c**
32	5½	13x12	4¾	**1.05**
33	8½	14¼x14¼	6	**1.15**
34	9½	14¼x16½	6½	**1.30**



U. S. S. AMERICAN LONG LIFE WIRE

FOR HORSES, CATTLE, SHEEP, HOGS AND ALL FARM ANIMALS

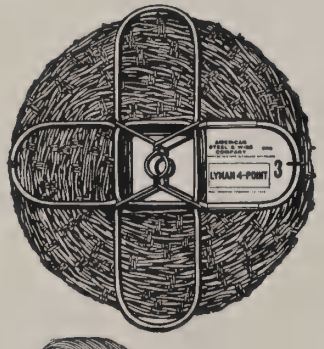


Design No.	Height	No. of Horizontal Bars	Specification No. 11 12 in. Stay	6 in. Stay
726	26 in.	7	42c	54c
832	32 in.	8	48c	64c
939	39 in.	9	55c	69c
1047	47 in.	10	60c	80c
1155	55 in.	11	68c	88c

MATERIAL

Hard Stiff Steel—The development of American Fence, the years of experiment and hundreds of thousands of dollars that have been put into the work of perfecting machinery and producing the grade of special steel that makes American Fence what it is today would be a long story. By the use of this special steel the value of American Fence to the user is increased many fold, and we firmly believe it to be as near absolute perfection as can be attained, or the necessities of the case demand.

In the above design the No. 9 wire is used for top and bottom bars, No. 11 wire for intermediate bars and stays. **Should you desire any other style Fence write for booklet.**



GALVANIZED BARB WIRE

A type to meet every need and preference.

Standard 80 rod spools.

2 or 4 point barbs,

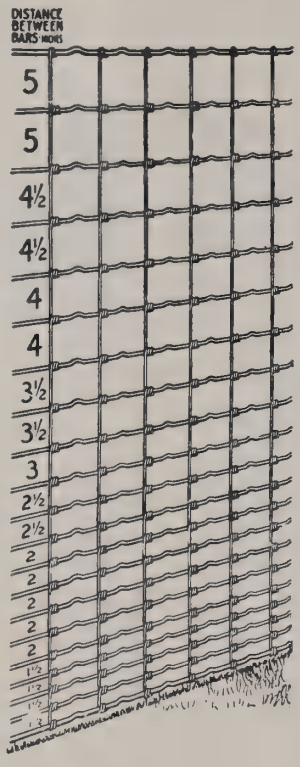
4 or 6 inches between barbs for Hogs or Cattle.

Hos—80 Rods **$4.25**
Cattle—80 Rods **4.15**

GALVANIZED WIRE

Here is a fine grade of galvanized wire, well suited for general hardware usage. Available in 100-lb. bundles in gauges from 6 to 18.

Prices on request.

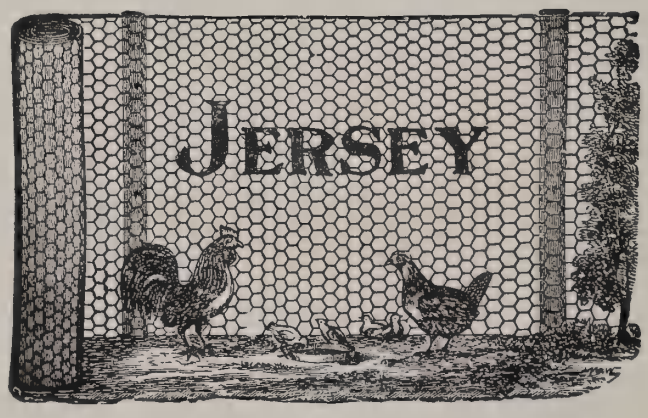


AMERICAN POULTRY, GARDEN AND RABBIT FENCE

Top or bottom boards not required with this Poultry Fence on account of the close spacing between bottom line wires. An ideal chicken and rabbit-proof fence. Can be stretched like a field fence. Made in three sizes, 35 inches, 48 inches and 58 inches high. Stay wires 6 inches apart. Furnished in 10 and 20 rod rolls.

Top and bottom wire No. 11. Intermediate and stay wires, No. 14½.

No.	Bars	Height	Price Per Rod
2158	21	58 in.	70c
1948	19	48 in.	65c
1635	16	35 in.	50c



DIAMOND MESH POULTRY NETTING

The wire we offer is No. 20 Double-Twist 2-inch Mesh, thoroughly galvanized. Sold in bales of 150 running feet.

No.	(Galv. After Weaving) Ins. Wide	Sq. Feet	Retail Price Per Bale
20	12	150	$1.35
20	18	225	1.84
20	24	300	2.32
20	36	450	3.28
20	48	600	4.25
20	60	750	5.20
20	72	900	6.17

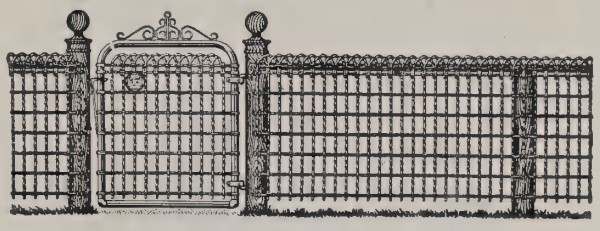
ONE INCH MESH

No.	(Galv. After Weaving) Ins. Wide	Sq. Feet	Retail Price Per Bale
20	12	150	$2.56
20	18	225	3.68
20	24	300	4.82
20	36	450	7.00
20	48	600	9.06
20	60	750	11.24
20	72	900	13.58

Price—Cut Lengths

1 in. Mesh.....2½c per square foot
2 in. Mesh.....1½c per square foot

LAWN FENCE AND GATES



The extra-deep crimp of the picket wires forms an absolute lock for the cables, preventing their being pushed up or down on the pickets.

Our lawn fence is made of heavy steel No. 9½ Galvanized wire and is woven in such a way that it cannot sag. The cables with reverse twist make proper allowance for contraction and expansion of wire due to atmospheric change. Made in two styles, single and double loop mesh.

Furnished in Rolls of 100, 150 and 250 feet.

Single Loop

36 inches high	per foot 10c
42 " "	" " 12c
48 " "	" " 13c

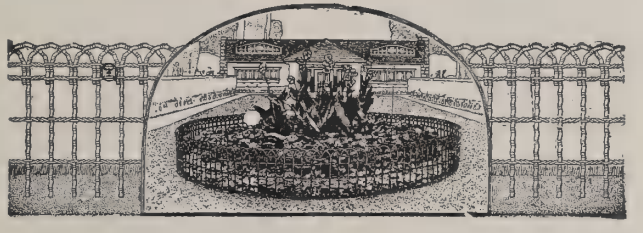
Double Loop

36 inches high	per foot 14c
42 " "	" " 16c
48 " "	" " 18c

Gates to Match

	3 Ft.	3½ Ft.	4 Ft.	8 Ft.	10 Ft.
36 inches high	$3.50	$3.75	$4.00	$8.50	$10.25
42 inches high	3.75	4.00	4.15	8.75	10.35
48 inches high	3.95	4.25	4.50	9.15	10.65

FLOWER BED GUARD



Of the same design as the single loop lawn fence. Requires no posts. Cut any length to fit any flower bed or border. Furnished in rolls of 100 or 150 feet. Three sizes, 16 and 22 inches high.

16 in. per foot.....$ .07 22 in. per foot.....$ .09

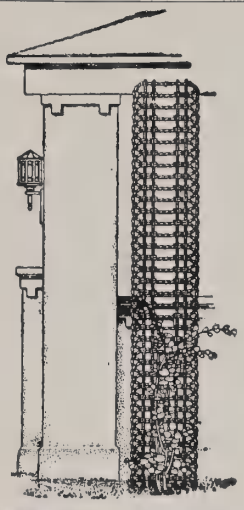
SELF-FASTENING U POSTS

An amazingly strong, yet low cost "U" shaped steel post designed to provide support for poultry yard and other types of fencing. Posts are pointed for easy driving and the arrow shaped anchor grips the dirt and holds the post securely. Fence is easily attached to convenient two-inch spaced tongues which run the length of the post down to the anchor plate.

Length in feet	Approximate Weight With Anchor	Price
6	7.32	$. 45
6½	7.88	.48
7	8.44	.52
7½	9.00	.55
8	9.36	.59

WIRE STRETCHER

No. 1—Price.....$2.00
Lott Stretcher.....$10.00



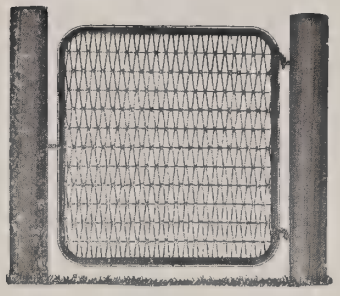
TRELLIS WIRE

Adds to the beauty of any home, very attractive in appearance. Made of very heavy galvanized wire neatly woven in such a way as to make a strong and durable support for the heaviest growth of vine.

Cut to any desired length.

18 inches wide.....$ .08
24 inches wide..... .09

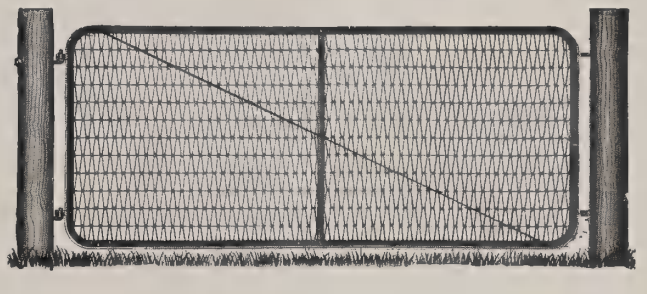
Put up in rolls of 100 and 150 feet.



AMERICAN WALK GATE

3	ft. wide	36 in. high	$3.00
3	"	42 "	3.25
3	"	48 "	3.50
3½	"	36 "	3.25
3½	"	42 "	3.50
3½	"	48 "	4.00

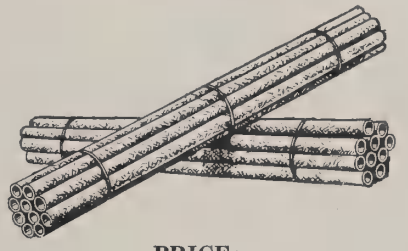
AMERICAN SINGLE DRIVE GATE



10	feet wide	36	inches	high	$9.00
12	" "	36	"	"	9.50
10	" "	42	"	"	9.50
12	" "	42	"	"	10.00
10	" "	48	"	"	10.50
12	" "	48	"	"	12.00

AMERICAN TUBULAR STEEL FENCE POSTS

(Galvanized)

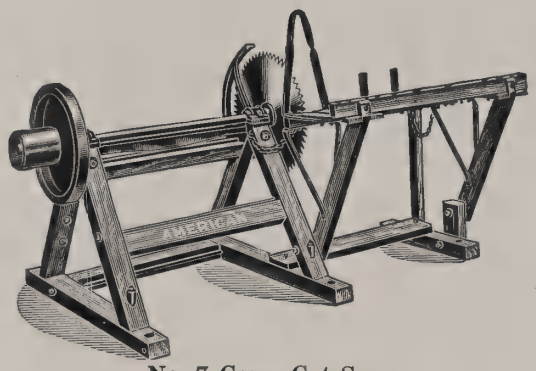


PRICE:

Height	Line Post	End Post Jr.	Corner Post Jr.
6 feet	$ .58	$1.40	$2.10
6½ feet	.62	.....	.....
7 feet	.66	1.65	2.50
7½ feet	.70	.....	.....
8 feet	.75	1.80	2.80

Driving Caps for Line Posts, 50c.

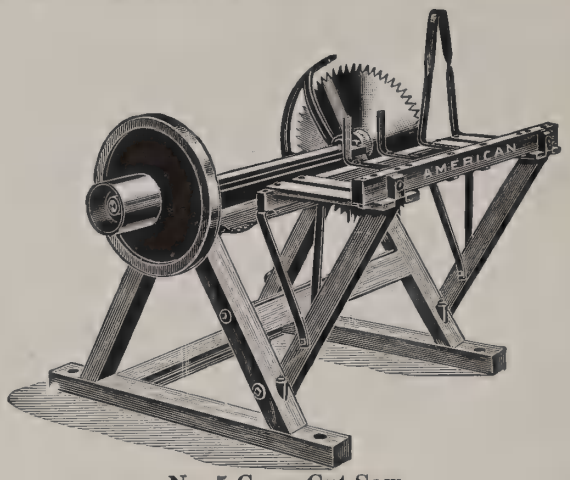
SAW TABLES AND SAWS



No. 7 Cross Cut Saw

WOOD CROSS CUT SAWS

In the Nos. 5 and 7, we offer exceptional values. This is clearly visible to the user of a sawing outfit without looking into the machines further than the illustrations. It will be noticed that these machines are so equipped to meet every requirement for pole or cord wood sawing. The tilting, or extension table, is easily changed to any of the different positions illustrated. These machines are made of hard wood, mortised and tenoned and neatly fitted together. They are bolted and braced in the best possible manner, giving to them that strength and durability so essential to a machine of this character. The boxes are all babbitted. Nothing but first class materials and the best of workmanship enter into the construction of these machines, so that we do not hesitate to fully guarantee every one. Size of mandrel 52 inches long, 1-7-16ths inches round. Balance wheels are 20 inches in diameter, weight 65 pounds. Pulleys are 6 inches in diameter, 6 inch face.

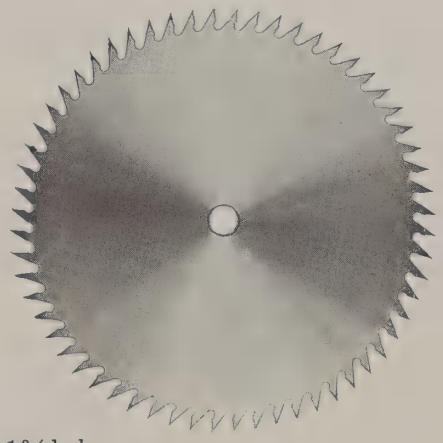


No. 5 Cross Cut Saw

Prices:

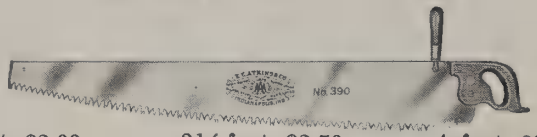
No. 7—Without Blade	$28.00
No. 7—With 24-inch Saw	32.50
No. 7—With 26-inch Saw	33.50
No. 7—With 28-inch Saw	34.00
No. 7—With 30-inch Saw	34.50
No. 5—Without Blade	26.00
No. 5—With 24-inch Saw	30.50
No. 5—With 26-inch Saw	31.50
No. 5—With 28-inch Saw	32.00
No. 5—With 30-inch Saw	32.50

CIRCULAR SAWS



24-inch—1⅜ hole	$4.50
26-inch—1⅜ hole	5.50
28-inch—1⅜ hole	6.00
30-inch—1⅜ hole	6.50

ONE MAN CROSS CUT SAW



3 foot, $2.00 3½ foot, $2.50 4 foot, $2.90

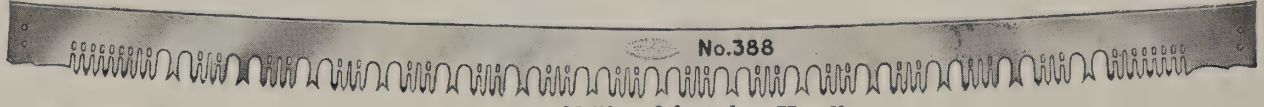
STEEL WEDGES—FOR SPLITTING WOOD

Weight	Prices
3 pounds	$ .33 each
3½ pounds	.35 each
4 pounds	.38 each
4½ pounds	.43 each
5 pounds	.46 each
6 pounds	.53 each
7 pounds	.62 each

WIDE BLADE CROSS CUT SAWS

5 foot, less Handles	$3.25	6 foot, less Handles	$3.90
5½ foot, less Handles	3.60	Handles, per pair	.40

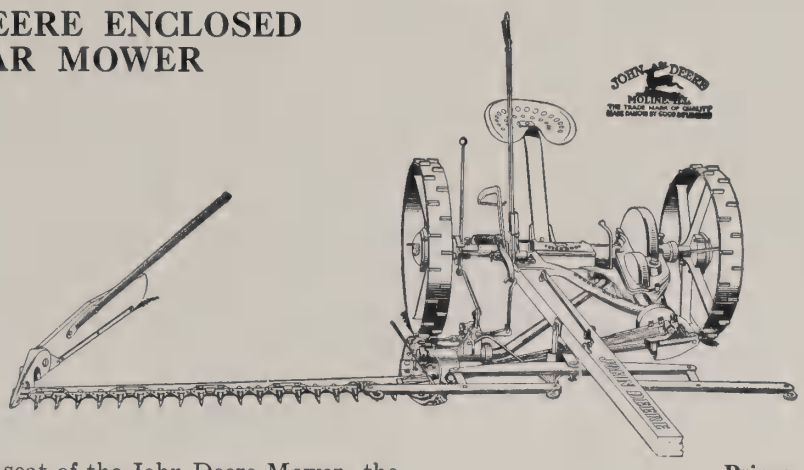
NARROW BLADE CROSS CUT SAWS



5 foot, less Handles	$2 50	6 foot, less Handles	$3.00
5½ foot, less Handles	2.75	Handles, per pair	.40

All Prices Subject to Change Without Notice

JOHN DEERE ENCLOSED GEAR MOWER



When you get on the seat of the John Deere Mower the first outstanding feature you will notice is its high, easy lift with either foot or hand lever. You will appreciate the quickness and ease with which every field condition can be quickly met.

When you operate the John Deere a few rounds you will notice the riding comfort, the perfect balance of the machine, the instant starting of the knife in the heaviest hay and the clean job of cutting.

Its durable and simple construction; the ease with which adjustments can be made to keep it in good running order; the ease with which repairs can be made—these qualities too, built into this light-draft, high-lift mower, will prove your good judgment in your selection.

Prices:

No. 3—4½ ft. cut, with pole, neck yoke and steel eveners **$100.00**
No. 3—5 ft. cut, with pole, neck yoke and steel eveners **101.00**
No. 4—3½ ft. cut, with pole, neck yoke and steel eveners **103.00**
No. 4—4½ ft. cut, with pole, neck yoke and steel eveners **106.00**
No. 4—5 ft. cut, with pole, neck yoke and steel eveners **107.00**
No. 4—6 ft. cut, with pole, neck yoke and steel eveners **110.00**
No. 4—7 ft. cut, with pole, neck yoke and steel eveners **112.00**

We Can Furnish Tractor Hitch for Heavy Duty Mower

JOHN DEERE ONE-HORSE MOWER

The John Deere High-Lift One-Horse Mower is the same as the two-horse machine, except for its lighter construction, which fits it for one-horse work.

It has the high, easy lift, the balanced drive gears, the quickly and easily made field adjustments, flexibility of the cutter bar; in fact, all of the features that have made the John Deere two-horse machine a favorite on thousands of farms.

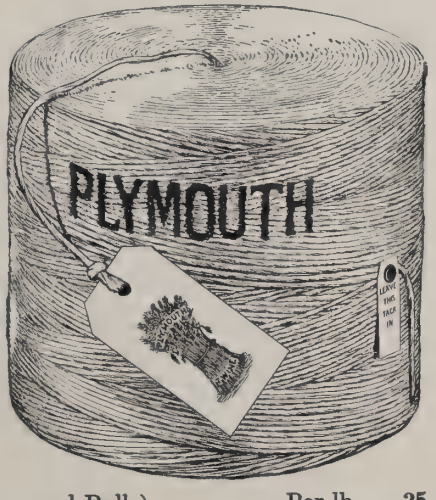
The quickness and ease with which the cutter bar can be raised to get great clearance has made the John Deere a most satisfactory mower for use on rough, stony land.

It is furnished regularly with shafts, and can be equipped with either a 3½- or 4-foot cutter bar.

For the user who wants a good-working, light-draft, easily-operated one-horse mower, the John Deere High-Lift will give real satisfaction.

Sizes: 3½-ft., $83.00; 4-ft., $84.00

ROPE, TWINE AND CORDS



⅜-inch Manila Rope Per lb. $ .25

½-inch Manila Rope Per lb. .24

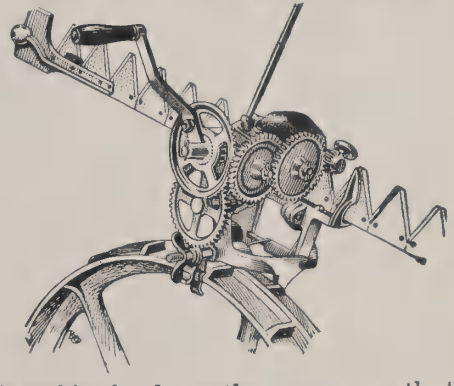
⅞-inch Manila Rope Per lb. .23

⅜-inch Cotton Rope Per lb. .28

½-inch Cotton Rope Per lb. .27

2-ply Jute Twine (½ pound Balls)	Per lb.	.25
3-ply Cotton Cord (¼ pound Balls)	Per lb.	.34
4-ply Cotton Cord (¼ pound Balls)	Per lb.	.34
6-ply Cotton Cord (2½ pound Cones)	Per lb.	.34
Raffia for Tying Asparagus (1 to 5 pound Hanks)	Per lb.	.25
Asparagus Tape—Red (1,000 Yards to Spool)	Per spool	1.75
21-ounce Fodder Yarn (25 and 50 lb. Spools)	Per lb.	.12
Binder twine 5 and 8 lb. balls	Per lb.	.10

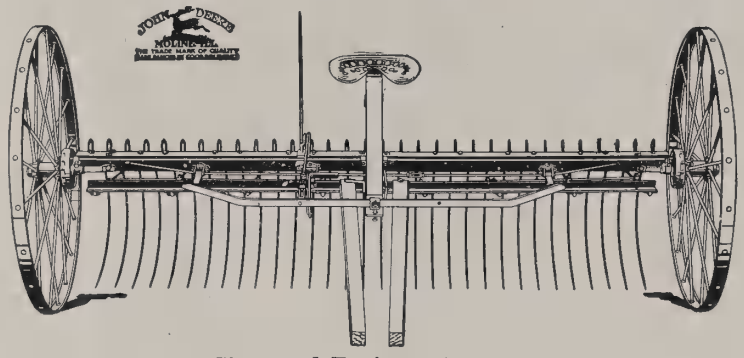
MOWER KNIFE GRINDER



There is nothing harder on the mower or on the team than dull knives. The Knife Grinder can be clamped to the rim of the wheel, where it is easy to use. The knife sections can all be ground with a perfectly clean beveled edge, all of them exactly alike. This grinder is equipped with a fine-tempered steel regulator, which adjusts the pressure so that all of the sections can be ground evenly and regularly. The handle runs parallel to the knife, which is always in plain sight while being ground. Thus there is no danger of cutting the operator's hands. The grinder can also be fastened to a bench. A special stone for grinding tools or gumming saws will be furnished on special order.

Price **$6.00**

JOHN DEERE SELF-DUMP STEEL HAY RAKES



In light or heavy hay, while raking into wind-rows or bunching—in all conditions—the John Deere Self-Dump Sulky Rake does a clean job of raking and dumps easily. Even in exceedingly rough ground, it is giving remarkable satisfaction to users the country over. Its better performance makes a place for it on every farm.

One trip across the field on the John Deere will convince you that there's a big difference in sulky rakes. It will also make you realize, beyond all doubt, that the John Deere has the features for which you have long been looking—clean raking and ease of operation in varying conditions, and a sturdiness that means long life.

Sizes and Equipment

Made in 8-, 9-, 10-, and 12-foot sizes.

The 8-, and 9-foot rakes are regularly equipped with singletree. The 10-, and 12 foot rakes with plain pole extension.

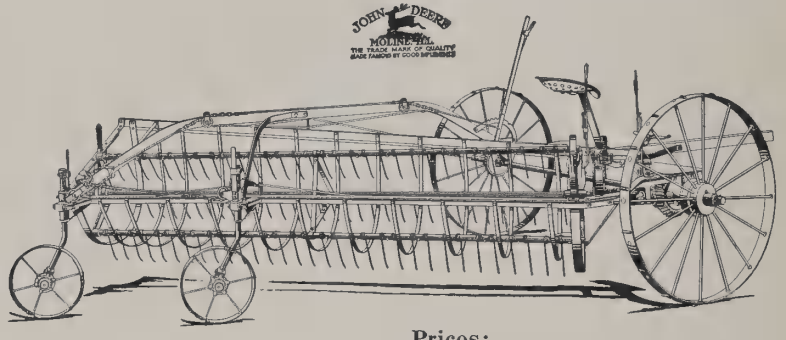
Prices:

8 Foot—24 Teeth with Singletree	$51.00
9 Foot—28 Teeth with Singletree	53.00
10 Foot—32 Teeth with Pole Extension	57.00
12 Foot—40 Teeth with Pole Extension	66.00

JOHN DEERE SIDE-DELIVERY RAKE WITH FLOATING CYLINDER

Floating Cylinder—An exclusive patented feature makes a lighter-running rake that follows the lay of the land and rakes cleaner, that "Floats" the hay into loose, fluffy windrows.

The smooth, flexible motion of the floating cylinder causes the hay to be "floated" into loose, fluffy windrows. The hay is handled more gently than it possibly could be with a rigidly-mounted cylinder, the windrows are more open and airy to permit the rapid evaporation of moisture by the free circulation of air, more of the leaves are saved, and the color is preserved, resulting in a higher quality of hay.



A Simple, Labor-Saving Method

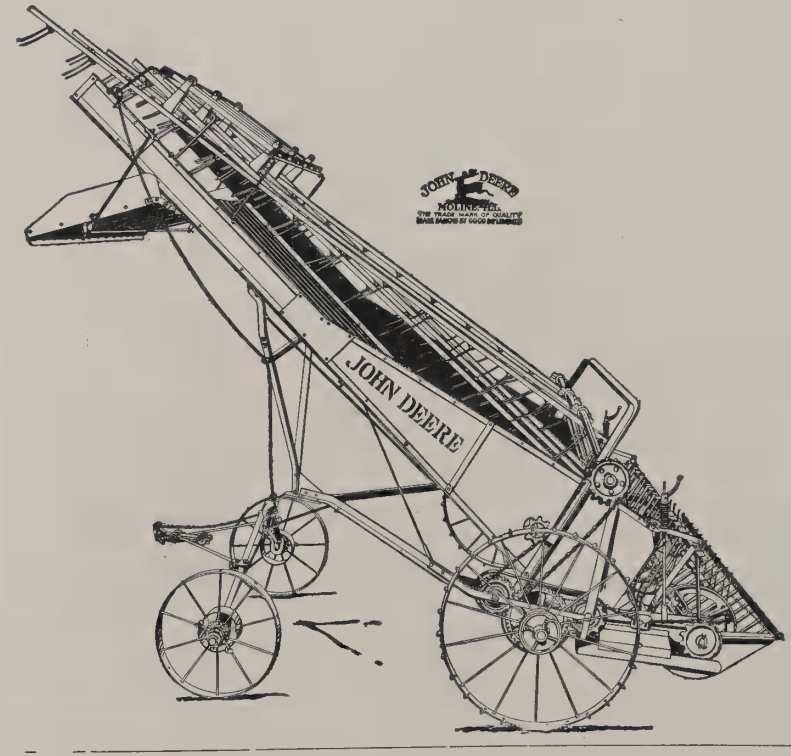
Making hay with the aid of the John Deere Side-Delivery Rake requires but little more effort than driving a team or a tractor.

One man with this rake does all the work which, in the days of hand rakes and pitchforks, required the efforts of a small army of men and women, boys and girls.

Prices:

No. 553 System Left Hand 3 Wheel	$132.50
No. 554 System Left Hand 4 Wheel	142.00
Fourth Wheel Attachment for side rake	9.75
For Grease Gun, add	2.30
For 2 Horse Evener and Neck Yoke, add	3.75
For Rubber Tired Main and Caster Wheels on 4-Wheel Rake, add	85.00

JOHN DEERE RAKER BAR AND CYLINDER HAY LOADER



Full-Floating Gathering Cylinder

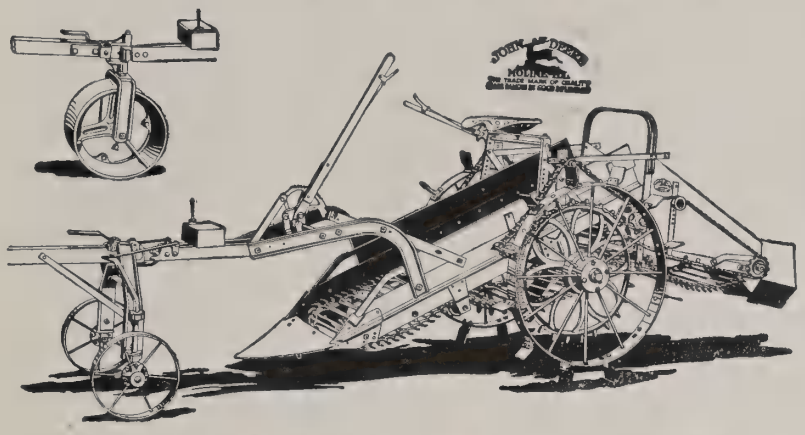
This is the only loader that has the full-floating gathering cylinder used in combination with the raker-bar elevation. The floating cylinder is not a new idea on a John Deere loader. This feature was first introduced 45 years ago on the John Deere Double-Cylinder Loader and, since then, has been largely responsible for the success of John Deere Loaders. It is especially valuable when the loader is used with tractor. Because the flexibly-mounted cylinder floats, it automatically adjusts itself to the uneven ground surfaces and gets all the clean hay regardless of how rough the field may be. Once the cylinder is adjusted for the volume of hay to be gathered, it isn't necessary to make further adjustments in the field to take care of variations in the ground surface—the self-adjusting spring-mounted cylinder takes care of that. No time is wasted by the tractor operator in getting off and on the tractor to make adjustments in the field, as he would if the cylinder were rigidly mounted. The result is better work and cleaner raking without the teeth digging in.

The special springs which control the opening at the lower end of the compressors give the proper pressure to both large and small quantities of hay as it is delivered to the carrier.

Price:

No. A 306—6 ft. Combination Loader with Forecarriage	$156.00

JOHN DEERE-HOOVER POTATO DIGGER



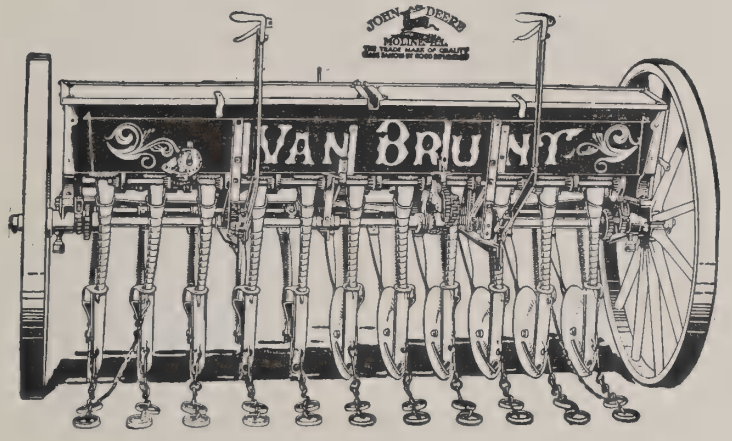
Growers everywhere know the reputation of the John Deere-Hoover Potato Digger for great strength and long service, its efficient performance in any field condition, and its ability to deliver the potatoes dirt free with the least possible mechanical injury.

No. 622C—6 ft. 22 in. Extension Elevator, with 4-horse evener **$161.00**

No. 724C—7 ft. 24 in. with continuous elevator and 4-horse evener..... **192.50**

Prices on other sizes furnished on application.

VAN BRUNT MODEL F FERTILIZER AND GRAIN DRILL



Furnished With Wood or Steel Wheels

Sizes—7-inch feeds; 9, 10, 11, 12, 13, 16 discs, shoes or hoes; 8-inch feeds; 6, 8 discs, shoes or hoes.

Seed is Covered Properly—Rapid Growth is the Result.

Every kernel or seed is conveyed by metal tubes from the feed to the bottom of the furrow before any soil can drop back. The seed beats the dirt. The Van Brunt Disc Drill boots make this possible. They are brought forward so that they lie entirely within the surface of the disc. The seed passing through does not come in contact with the upturning disc surface.

DISC DRILLS

8x8 Single Disc, 1 pole, 2-h. hitch, W. W. 227	$153.50
9x7 Single Disc, 1 pole, 2-h. hitch, W. W. 227	162.00
10x7 Single Disc, 1 pole, 2-h. hitch, W. W. 227	171.50
10x8 Single Disc, 1 pole, 2-h. hitch, W. W. 227	173.50
11x7 Single Disc, 1 pole, 2-h. hitch, W. W. 227	181.50
12x7 Single Disc, 1 pole, 2-h. hitch, W. W. 227	189.50
8x8 Double Disc, 1 pole, 2-h. hitch, W. W. 227	165.00
9x7 Double Disc, 1 pole, 2-h. hitch, W. W. 227	175.50
10x7 Double Disc, 1 pole, 2-h. hitch, W. W. 227	185.00
10x8 Double Disc, 1 pole, 2-h. hitch, W. W. 227	189.50
11x7 Double Disc, 1 pole, 2-h. hitch, W. W. 227	197.50
12x7 Double Disc, 1 pole, 2-h. hitch, W. W. 227	207.00

Above Drills priced with Alemite-Zerk Grease Gun.
If not wanted, deduct $2.50

SPRING TRIP SHIFTER HOE TYPE

8x8, 1 pole, 2-horse hitch, W. W. 227	$148.00
9x7, 1 pole, 2-horse hitch, W. W. 227	156.00
10x7, 1 pole, 2-horse hitch, W. W. 227	164.50
10x8, 1 pole, 2-horse hitch, W. W. 227	168.50
11x7, 1 pole, 2-horse hitch, W. W. 227	175.00
12x7, 1 pole, 2-horse hitch, W. W. 227	181.50

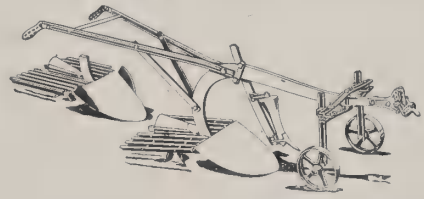
GRASS SEEDING ATTACHMENT EXTRA

GRASS SEEDING ATTACHMENTS EXTRA

8 x 8	$7.40
9 x 7	8.25
10 x 7	9.25
10 x 8	9.25
11 x 7	9.10
12 x 7	10.60

For tractor hitch in lieu of horse hitch, deduct **3.00**

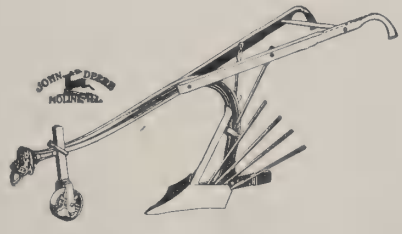
SHAKER POTATO DIGGER



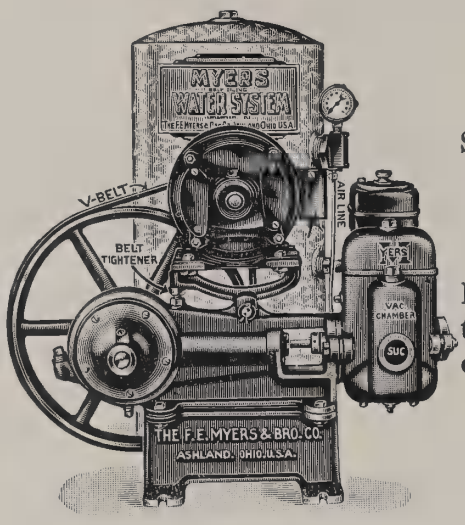
Steel beam. Natural temper steel blades. Provided with weed fender and gauge wheel. The Shaker Digger has a perfectly flat blade and will not cut the potatoes. The rod grating is hinged at the front and is given an up-and-down shaking motion by the sprocket wheel at the rear. This shakes the dirt off from the tubers and leaves them clean and whole on top of the ground.

With Gauge Wheel and Weed Fender	$24.00
With Gauge Wheel and Forecarriage	26.50
Forecarriage, Extra	4.00

ECLIPSE POTATO DIGGER



The Eclipse is a moderate-priced potato digger that is being widely used with great success. The rod mouldboard frees the potatoes from dirt and leaves them where they are easy to see and pick up. Extra high clearance in throat of beam. Strong steel blade scours and wears well. Gauge wheel regulates depth. Adjustable handles. Steel beam.
Price Complete with Gauge Wheel **$20.50**



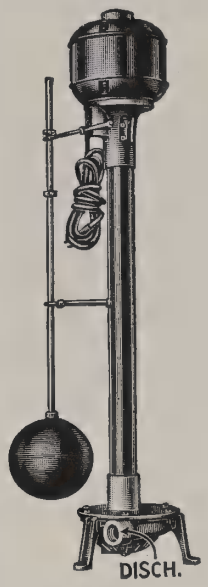
MYERS SELF-OILING AUTOMATIC WATER SYSTEM

Perfect and Continuous Lubrication.

The Myers Self-Oiling Home Water System is Automatic. Its operation is controlled by an Electric Switch which automatically starts the pump when the pressure in the tank falls to 20 pounds and stops the pump when the pressure reaches 40 pounds. The pressure is always maintained between these two points. The air supply in the tank is controlled by the Automatic Air Volume Control. No personal attention necessary. For use in raising water not exceeding 25 feet vertical lift to low water level.

Pump No.	Capacity Gals Per Hour	Motor H.P. Current	Suction Inch	Discharge Inch	Tank Galv.	Price
1906AT	250	1/6 AC.	¾	¾	42	78.00
1909AT	340	¼ AC.	1	¾	42	82.00

THE MYERS CENTRIFUGAL SUMP PUMP



Built to supply the demand for a really dependable automatic cellar drainer, this new unit is notable for its sturdy construction and simplicity. Recommended as equal to the best the market affords in carefree service.

MOTOR: Ball bearing (no oiling necessary). ¼ H.P. heavy duty, continuous service, induction type, 110 volt, 60 cycle, 1725 r.p.m., built specially for sump pump application.

PUMP: All bronze stainless steel shaft and ball bearing thrust, all other bearings oilless (**no greasing or oiling necessary**).

AUTOMATIC CONTROL: Enclosed switch, positive type, actuated by oversize ball float connected to control rod. Control rod has adjustable stops to regulate trip of switch for pumping at various levels.

INLET: Large inlet in under pump fully protected by non-clogging screen.

OUTLET: The outlet is tapped for standard 1-inch fittings for easy connection to pipe or hose line.

INSTALLATION: Cord and plug is supplied with each unit for attaching to ordinary socket. Cord length 8 feet.

HEIGHT: 40 inches. WEIGHT: 65 pounds.

A crock 24 inches or larger is recommended for sump.

CAPACITY TABLE—Head in Feet—Gallons per Hour.

Ft. Head	1 ft.	5 ft.	10 ft.	15 ft.	20 ft.
Gallons	2400	1900	1500	900	400

Price $39.50

Tell us what your requirements for water are, and allow us to quote you on the proper **Water System or Pump.**

MYERS HAND PUMPS

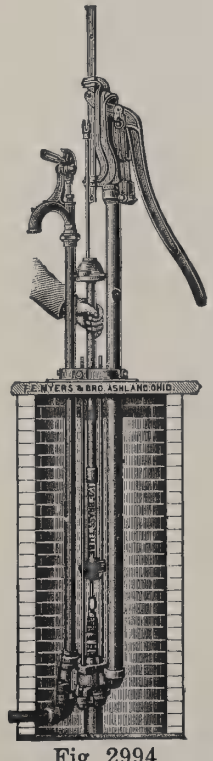


Fig. 2994

MYERS VICTORY SINGLE ACTING 3-WAY FORCE PUMP

Malleable iron shield over cog gears. With adjustable base and reversible spout. Has patent glass valve seat and poppet valve. Anti-freezing. Made with galvanized pipe only. The advantage of this style handle is that it allows the piston to move in a direct line without swaying from side to side, as is necessary with the old style handle. This extra leverage adapts the pumps to deep wells. The spout is attached to the pump head by means of bolted flange union, making it reversible. The water flows from the spout in a smooth even stream, equal to that of any double-acting force pump. The base will fit over the top of a 6-inch well pipe. Fitted with brass lined, polished iron or brass cylinder. 4-foot set length.

Prices:

Fig. 2994—No. 1229 Victory 3-way Force Pump Head, plain handle, less cylinder **$24.50**

Fig. 2994—No. R 1229 Victory 3-way Force Pump Head, cog gear handle, less cylinder **24.50**

MYERS COG GEAR SINGLE ACTING FORCE PUMP

Anti-freezing, plain handle pump, 6, 8 and 10 inch stroke. Cog gear head, 7-inch stroke for hand, 10-inch stroke for windmill. For tubular wells. Upper cylinder plunger and check valve withdrawn through base. The Victor is so constructed that all working parts can be withdrawn and replaced through the base without going below the platform. Made with galvanized pipe only.

Prices:

Fig. 1898—Force Pump No. R 1070, with 2½-inch brass-lined cylinder..... **$14.75**

Fig. 1898—Force Pump No. R 1072, with 3-inch brass-lined cylinder..... **15.25**

Fig. 1898—Lift Pump No. R 1050, with 2½-inch brass-lined cylinder..... **13.25**

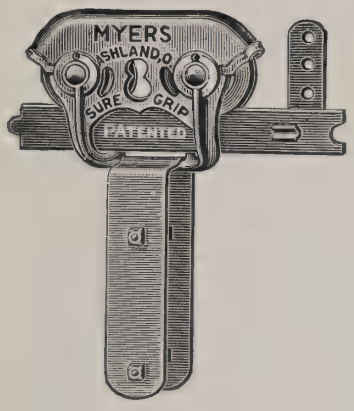
Fig. 1898—Lift Pump No. R 1052, with 3-inch brass lined cylinder..... **13.75**

Fig. 1898—Lift Pump No. R 1058, with 3-inch polished iron cylinder..... **10.75**

Fig. 1898

All Prices Subject to Change Without Notice

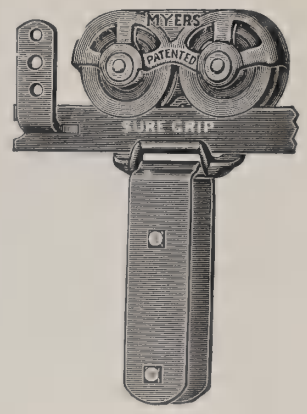
MYERS SURE GRIP PLAIN TANDEM FLEXIBLE DOOR HANGERS



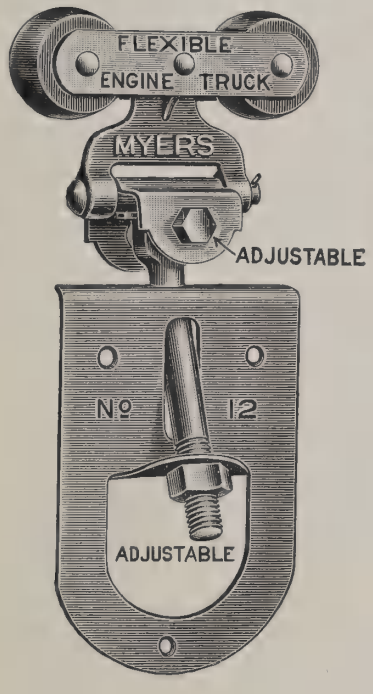
These cuts show the front and back view of the Sure Grip Plain Tandem Door Hangers. Note the heavy malleable rib supporting the main frame, which adds great strength and enables the hanger to carry any weight door. Track is made of high carbon steel in 4, 6, 8 and 10 foot lengths.

Sure Grip Tandem Hangers, per pair, complete with bolts..... **$2.00** pair
Track..... **.10½** per ft.

Do not jump the track.



THE MYERS NEW WAY TANDEM ADJUSTABLE DOOR HANGERS

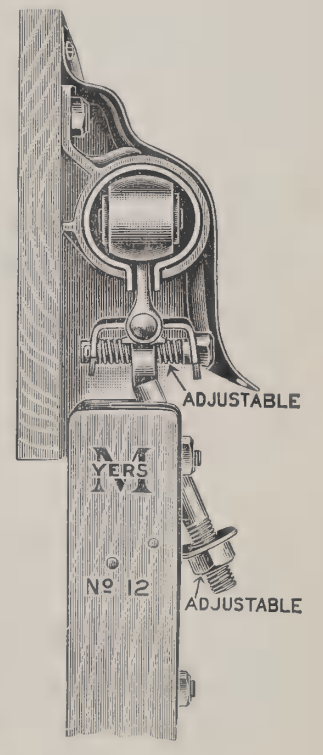


The New Way tubular track is mounted with brackets. We call special attention to the two flanges shown on the underside of the track, which are a part of the track itself, turned down forming a girder or truss, which stiffens the track, and adds greatly to its strength and carrying capacity.

The trolley rollers are of solid steel roller bearings.

The hanger has two adjustments vertical and lateral, so that with any ordinary wrench the door can be adjusted to the building.

Hangers per pair with bolts..... **$2.50** pair
Tubular Track, 4, 6 and 8 foot lengths..... **.22** foot
Intermediate Brackets..... **.17** each
End Brackets..... **.17** each
No. 13—New Way, Non-Adjustable ..... **2.00** per pair



WOOD PUMPS FITTED FOR WELLS

Depth of Well	No. 2, 6x6 House Pump	No. 5, 7x7 Farm Pump	Depth of Well	No. 4, 7x7 Pump Head	No. 6, 6x6 Pump Head
8 feet	$13.20	$15.80	31 feet	$29.15	$26.90
9 feet	13.60	16.20	32 feet	30.15	27.90
10 feet	14.05	16.55	33 feet	31.15	28.90
11 feet	14.40	16.85	34 feet	32.15	29.90
12 feet	14.65	17.15	35 feet	33.15	30.90
13 feet	15.00	17.45	36 feet	34.15	31.90
14 feet	15.25	17.75	37 feet	35.15	32.90
15 feet	16.00	18.30	38 feet	36.15	33.90
16 feet	16.50	18.90	39 feet	37.15	34.90
17 feet	17.50	19.70	40 feet	38.15	35.90
18 feet	18.15	20.50	41 feet	39.15	36.90
19 feet	18.50	20.80	42 feet	40.15	37.90
20 feet	18.80	21.20	43 feet	41.15	38.90
21 feet	19.30	22.50	44 feet	42.15	39.90
22 feet	20.00	23.00	45 feet	43.15	40.90
23 feet	20.70	23.70	46 feet	44.15	41.90
24 feet	21.00	24.00	47 feet	45.15	42.90
25 feet	21.35	24.35	48 feet	46.15	43.90
26 feet	22.30	25.30	49 feet	47.15	44.90
27 feet	23.40	25.90	50 feet	48.15	45.90
28 feet	24.70	26.25			
29 feet	25.30	27.30			
30 feet	25.90	28.15			

PUMP HEADS

Length	6x6, No. 2 Porcelain-lined	6x6 No. 6 Deep Well	7x7 No. 5 Porcelain-lined	7x7, No. 4 Deep Well
6 feet	$11.00	$8.50	$13.50	$10.75
7 feet	11.75	9.25	14.50	11.75
8 feet	12.50	10.00	15.50	12.75
10 feet	14.50	12.00	17.50	14.75
12 feet	16.50	14.00	.....	.....

PORCELAIN-LINED EXTENSION PUMP HEADS FOR DEEP WELLS

	No. 4 7x7 Head	No. 6 6x6 Head
10 feet long, cylinder in extension pipe	$17.00	$14.00
12 feet long, cylinder in extension pipe	18.50	15.75
14 feet long, cylinder in extension pipe	20.10	17.35
15 feet long, cylinder in extension pipe	20.90	18.15
20 feet long, cylinder in extension pipe	24.90	22.15

THE MYERS O. K. HAY UNLOADER, TRACK, FORKS, AND FIXTURES

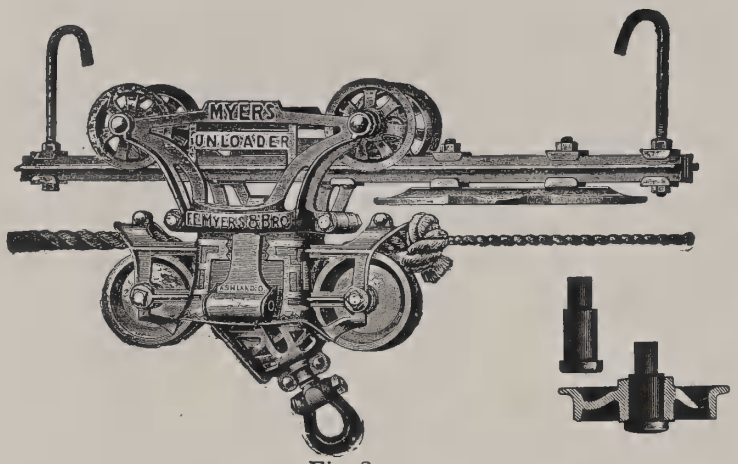


Fig. 2

Fig. 3

Fig. 1

Fig. 4

Patent Double-Lock Hay Unloaders, Patent Steel Tracks, Slings, Forks, Pulleys, Etc.

We give the above view of Myers Hay Unloader to be used on Myers Double-Angle Steel Track. This is the latest and best hay carrier, and it embodies all the features of the Straight Reversible and Swivel Reversible Carrier and has many advantages over any other machine on the market. It is fitted with the Myers reliable double lock, which engages the fork pulley on each side, thus insuring a perfect locking device. The construction insures a satisfactory working carrier under all conditions. The track wheels have turned steel axles, and weight is carried in center of wheel; the rope sheaves are fitted with wide hub and have longer bearings than any other make of carrier. For strength, simplicity, neatness of design and up-to-date features it is without a peer. We also offer the **Myers Unloader. Price $12.00**

Fig. 5

REGULAR DOUBLE-HARPOON FORK

The best known Fork.

25 in. .....**$3.00** 31 in. **$3.25**
No. 1314 Heavy.....**3.50**

MYERS LOCK-LEVER FORK

Has 50 per cent more capacity than the regular Double Harpoon Fork on account of the cross-bar being nearer the top. Operated with one lever. Price, **$7.00**

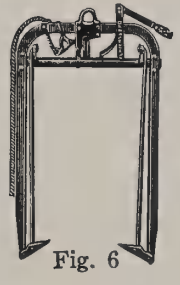


Fig. 6

PULLEYS, HOOKS, ETC.

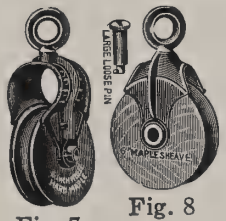


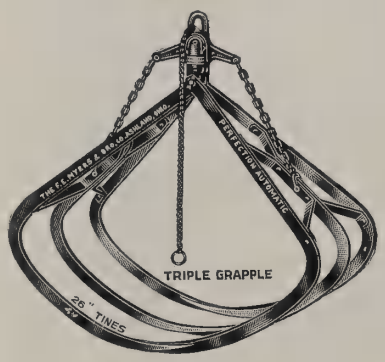
Fig. 7 Fig. 8

Rafter Brackets (Fig. 3), each	$ .05
Steel Hooks (Fig. 4), each	.20
Floor Hook, ¾-inch each	.19
Plain Maple Sheave Pulleys (Fig. 8), each	.80
Knot-Passing Maple Sheave Pulleys (Fig. 7), each	.90
Rafter Nails, per lb.	.10

Manila Rope, either ¾ or ⅝-inch diameter, at market prices; about 5 feet to the pound.

MYERS PATENT STEEL TRACK

The style of this Track is here illustrated. It is made of two T carbon rails, very hard and stiff. Note the manner of clamping it together so that the two joints do not come opposite each other. A wrench only is needed to put this Track together. Price, per foot, **25c.**



MYERS PERFECTION AUTOMATIC GRAPPLE FORK

Made of High Carbon, Heat Treated and Oil Tempered Heavy Spring Steel. Closes and locks itself before returning to the load. Has 26-inch tines. These forks are unlike any other inasmuch as they are not only balanced at all points, but in addition the natural pull on the trip rope closes the fork and locks it securely, thus returning it to the load all ready to enter the hay without any attention whatever from the operator as to setting the lock, etc. It is double braced throughout, making it very rigid and strong.

Prices:

No. 3—Four Tine—Opens 62 inches.....**$11.50**
No. 4—Six Tine—Opens 62 inches.....**13.00**

JOHN DEERE POTATO PLANTER

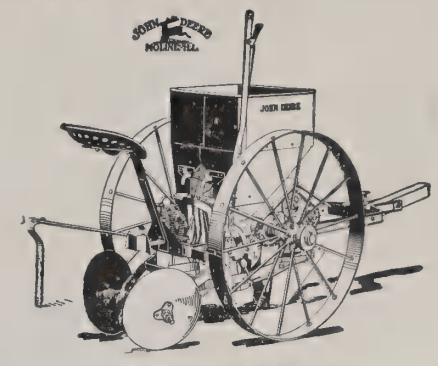
Good planting weather doesn't always wait for the planter that must be operated at horse speeds—you want to get your crop in the ground in the shortest possible time without sacrificing accuracy. Now, John Deere responds to the demand for faster planting with a new and improved potato planter that is more accurate at high tractor speeds than ordinary planters are at slow speeds.

This means that you can now safely plant with your tractor traveling in second or third speed.

One- and Two-Row Styles

The New John Deere is made in one and two row styles for operation with horses or tractor. The two-row offers the same advantages of construction as the one-row. One lever controls the lifting and lowering of both units. Further provision is made for throwing either one or both units out of gear.

Two-row planters, are furnished in these two styles: adjustable for 30-, 32-, 34-, and 36-inch rows, and for 36-, 38-, 40-, and 42-inch rows.



Prices: ONE-ROW

With Spring Marker, Pole and Neck Yoke, less Eveners.

No. 1400	$123.00
No. 1400H (with No. 1416 Fert. Attach.)	162.00
For 2-Horse Eveners, add	3.00
Tractor Hitch instead of Pole and Neck Yoke	0.00
No. 438 Tractor Hitch as Extra	3.75

IRON AGE (Improved Robbins) POTATO PLANTER

No. 422-R POTATO PLANTER WITH NEW ADJUSTABLE ELEVATOR WHEEL

This planter is known as the 100 per cent planter because it puts one seed piece, and only one, in every hill—no misses or doubles. You do not plow, harrow, plant, spray, cultivate and dig over missed spaces which bring you no profits. It also avoids the waste of fertilizer and spray material on unplanted spaces.

The planter is constructed almost entirely of steel. This gives decided advantages of strength, lightness and compactness over planters with cast-iron or wood frames. It is perfectly balanced, with less weight for the horses to pull. There are no heavy, bulky castings to replace because of breakage.

Making up rows, opening furrows and covering them can be done with the regular machine.

Price with Fertilizer Attachment $172.50

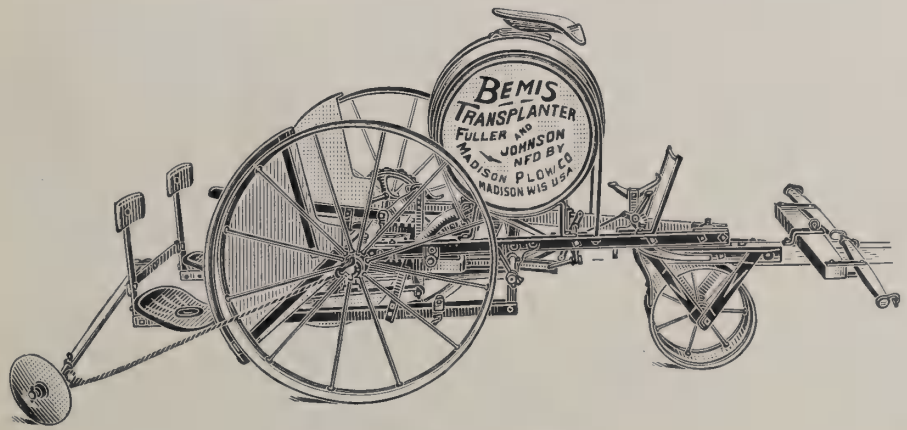
MASTERS No. 15 PLANT SETTERS WILL HELP YOU GROW BIGGER— BETTER CROPS

For setting Tobacco, Cabbage, Sweet Potatoes, Cauliflower, Peppers, Egg Plants, Etc.

The New No. 15 Planter has an automatic trigger which opens the water valve automatically as the lever is pulled. The valve remains open long enough to release the proper amount of water. Brass bearings on all moving parts prevent rust and give longer life.

Price $4.50

BEMIS TRANSPLANTER



Horse or Tractor Drawn

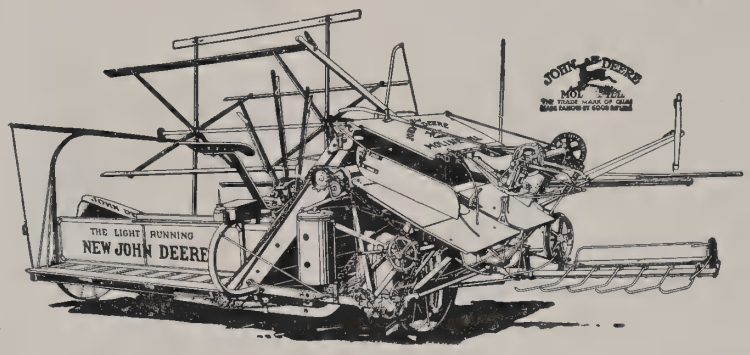
This machine has revolutionized tobacco setting, as there are now practically no large tobacco growers in the United States who set their plants by hand. It is also extensively used by market gardeners, nurserymen, etc. The supply of water can be regulated as conditions require.

Prices:

With One Wheel Foretruck and Steel Barrel.

No. 1 Press Plates, runner	$110.00
No. 2 Press Wheel, runner	110.00
Fertilizer Attachment O. S.	20.00
Fertilizer Attachment N. S.	28.00
2-Wheel Front Truck	14.00
1-Wheel Front Truck	12.00
2-Wheel Front Truck instead regular ..... add	2.00
Press-Wheel Attachment as extra	8.50
Check Row Attachment	27.50
Steel Stub Pole for Tractor Hitch	4.00

The Light-Running New John Deere Grain Binder With Enclosed Drive Gears Running In Oil



This Light-Running New John Deere Grain Binder is easier on the horses and will go through places where a machine requiring more power would choke down. Its light-running is a feature that you notice from the very start. This light-running advantage not only means less work for you and your horses, but the light-running qualities that are built into the binder reduce friction and wear, resulting in longer life for the machine and less trouble and expense for you.

From the sickle that does the cutting on to the knotter that does the tying, and to the bundle carrier that does the dumping, you will find improvements and refinements that make the John Deere easier running, easier to keep in running order, more durable, easier to operate, and a better working binder under all field conditions.

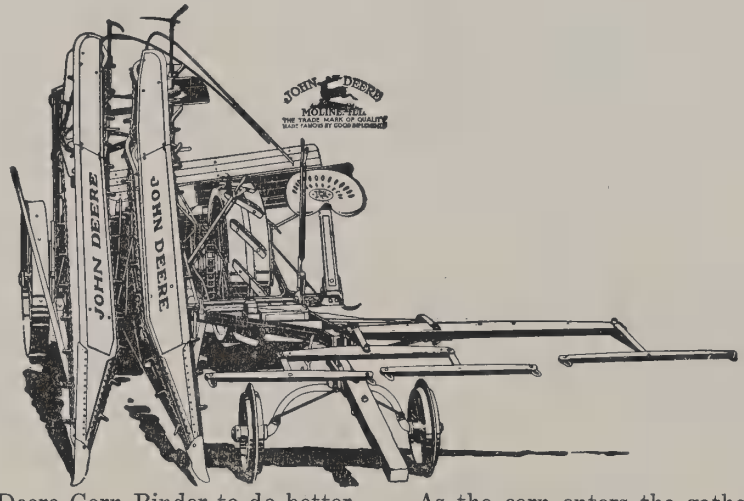
Prices:

6 ft. with 3 Horse Pole Attachment	**$268.00**
6 ft. with Tongue Truck and 4-Horse Evener	**286.50**
6 ft. with No. 4211 Tractor Hitch	**267.00**
7 ft. with 3-Horse Pole Attachment	**272.00**
7 ft. with Tongue Truck and 4-Horse Evener	**292.00**
7 ft. with No. 4211 Tractor Hitch	**271.00**
8 ft. with 3-Horse Pole Attachment	**282.00**
8 ft. with Tongue Truck and 4-Horse Evener	**301.00**
8 ft. with No. 4211 Tractor Hitch	**281.00**
Transport Truck for Pole Attachment Binder	**12.50**
Transport Truck for Tongue Truck or Tractor Hitch Binder	**12.50**

Tractor Binders. Made in 8 Ft. and 10 Ft. Sizes. Write For Prices.

John Deere Corn Binder

FAMOUS FOR ITS BETTER WORK UNDER DIFFICULT FIELD AND CROP CONDITIONS



The ability of the John Deere Corn Binder to do better work over a longer term of years under difficult field and crop conditions is an outstanding quality. Many users say that they cut their corn successfully with their John Deeres under conditions that keep less efficient binders in the shed.

There is no one feature responsible for this better performance. It is the result of years of development resulting in improvements in design to meet the unusual situations. The John Deere has an unusual amount of traction which is very important. This provides ample power to insure positive and continuous passage of the corn from the time it enters the gatherers until the bundles are discharged free from the path of the horses.

Positive Delivery of Stalks to Binding Attachment

Lodged and tangled corn is readily picked up by the gatherers. The gatherers are wide at the points and can be accurately set at any desired distance from the ground.

As the corn enters the gatherers, four chains carry the corn to the binding attachment. In addition, two top gather chains with long lugs help to keep the tops straight and assist in forming well-shaped bundles. The two steel throat springs, adjusting themselves to any volume of corn, hold the corn into the chains.

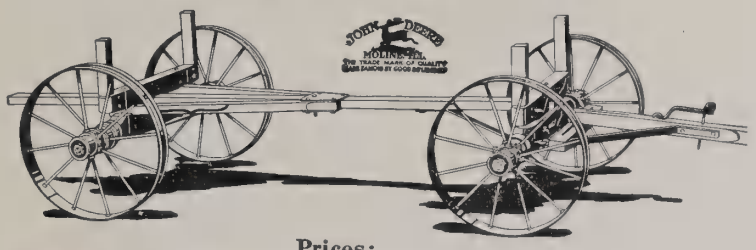
The butt chain is equipped with long, wide folding lugs that extend across the throat of the machine and prevent the butt end of the stalks from lagging.

This combination carries the corn in the easiest and most positive manner to the binding attachment, with minimum loss of ears.

Prices:

Corn Binder with Pole Attachment, 2-HE	**$260.00**
Corn Binder with Pole Attachment, 3-HE	**263.50**
Corn Binder with Tongue Truck, 3-HE	**282.50**
With No. 1251 Tractor Hitch	**266.50**
Regular Power Bundle Carrier with Binder, add	**16.60**

JOHN DEERE WAGON—BUILT UP TO A GUARANTEE



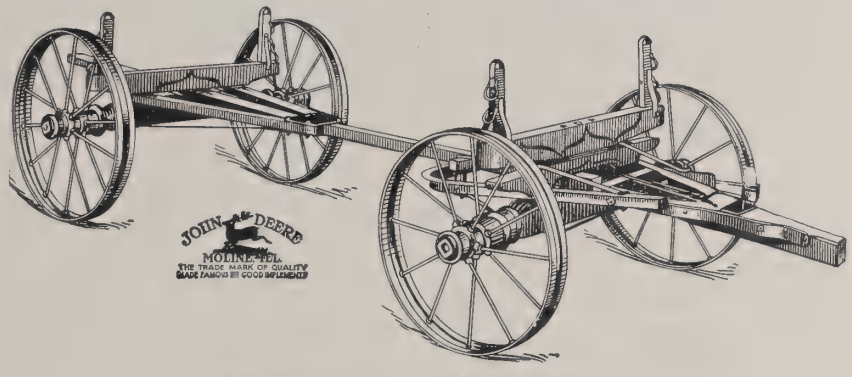
Prices:

With Steel Wheels—28 inches front, 30 inches rear, 4″x3/8″ Grooved Tires **$49.00**
With Wood Wheels—30 inches front, 36 inches rear, 3″x3/8″ Tires..... **65.50**
With Wood Wheels—30 inches front, 36 inches rear, 4″x3/8″ Tires..... **72.50**

If wanted with double trees and neck yoke add to price, **$5.50**. Brake extra, **$8.50**.

No. 100 WOOD OR STEEL WHEEL FARM TRUCK

The material is of good quality, hard wood. Gears are rigidly braced and bolted. The hind hounds are of long, straight grain, well braced to rear axle. The reach plate is of heavy steel, full width. Full size reach. Removable bolster stakes fitted into steel pockets. Bolsters, extra heavy, with full-width bolster and axle plate. The skeins are of heavy pattern, individually set with correct pitch and gather. Size of skeins 3¼ inches by 10 inches. The pole is heavily braced to cross bar and securely bolted to front axle.



RELIANCE FARM TRUCK

WITH WOOD OR STEEL WHEELS

Made from selected first-class hard wood. Hickory axles. The gears are rigidly braced, fully clipped over bolster and axle. Heavy round truss rods. The front hound is of heavy angle steel, reinforced with wide oak filler extending from point of hound to rear of axle and sandboard. Bolsters ironed full length on top and around ends; bolster stakes, 11 inches over all, farm wagon style, with rings and side braces. Heavy drop pole, with farm wagon style of pole cap. Skein, heavy truss pattern, carefully set with correct pitch. Size of skein 3¼ inches by 10 inches.

Prices:
(With Drop Pole)

With Steel Wheels—28 inches front, 32 inches rear, 4″x3/8″ Grooved Tires **$60.00**
With Wood Wheels—30 inches front, 36 inches rear, 3″x3/8″ Tires..... **75.50**
With Wood Wheels—30 inches front, 36 inches rear, 4″x3/8″ Tires..... **82.50**

If wanted with double trees and neck yoke, add to price **$5.50**. For stiff pole, add **$5.00**. Brake, extra, **$8.50**.

No. 802 JOHN DEERE ALL-STEEL FARM GEAR

Low Down Construction is one of the important advantages of this All-Steel Gear. The rated capacity is 4,000 lbs. but the maximum capacity is much greater. It is available in the standard 56″ track or 60″ wide track. By merely moving a bolt, you can telescope the reach to any length between 6 ft. 10 inches and 10 ft. 10 inches between bolsters. The tubular reach is exceptionally strong and adequately braced—front and rear axles are kept in perfect alignment at all times. Will not buckle when backing with a heavy load. The wheels run on removable steel sleeves. When worn, these sleeves can easily be replaced at small cost by the owner without special tools. This feature is highly important. By simply replacing the old sleeves with new ones, the wheel bearing can be kept just as good as new. A round tubular-steel pole is furnished as regular equipment, bolsters are strongly built of one-piece high-carbon steel. Write for special pamphlet which describes the above more fully.

Size of Wheels	Tire	Price
28 x 32—Steel	4″	**$65.00**
28 x 32—Steel	5″	**67.50**
28 x 32—Steel	6″	**73.00**

FARM CARTS

Built from good, well seasoned hard wood. Nicely painted and finished. Steel Axle.

Number	Size of Axle	Size of Spoke	Size of Tires	Diameter of Wheels	Diameter of Box, Inside Measure					Price
					Length	Width	Depth	Top Box	Capacity	
1	1⅝ in.	2⅛ in.	3x½ in.	4ft. 10in.	5ft. 6in.	3ft. 1in.	12 in.	4 in.	1200 lbs.	**$87.50**
2	1⅝ in.	2⅛ in.	4x½ in.	4ft. 10in.	5ft. 6in.	3ft. 1in.	12 in.	4 in.	1200 lbs.	**92.50**
3	1¾ in.	2¼ in.	3x½ in.	4ft. 10in.	5ft. 6in.	3ft. 1in.	12 in.	4 in.	1500 lbs.	**95.00**
4	1¾ in.	2¼ in.	4x½ in.	4ft. 10in.	5ft. 6in.	3ft. 1in.	12 in.	4 in.	1500 lbs.	**100.00**

THE ENCLOSED ENGINE THAT OILS ITSELF

The John Deere farm engine is far ahead of its field in design and construction—it places the farm engine on a plane with other types of modern power machinery.

Users say, "John Deere is the greatest advancement ever made in farm engine building." It is a fact that no other farm engine has ever been designed with so many distinctive advantages.

The complete enclosure of its operating parts and its automatic oiling system, while outstanding features, are but two of the many improvements that make it a profitable investment for every farmer.

Take the time to read the following facts about this farm engine. You will recognize at once the reasons for its great success.

All Vital Parts Completely Enclosed

All the important parts—crankshaft bearings, connecting rod bearings, cylinder, governor, timing gears, etc.—are completely protected within a dust-proof housing.

There is no more opportunity for sand and other foreign matter to get into the vital parts of the John Deere than there is for such particles to get into the motor of your car.

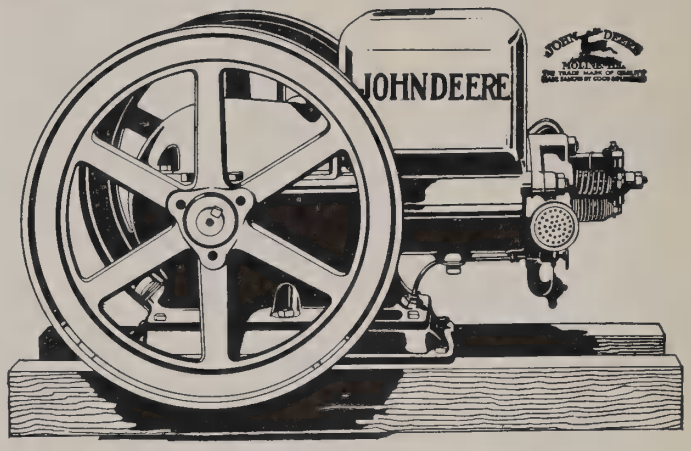
Longer life, less repair expense and better service necessarily result from this advanced design.

Governor Accurately Controls Speed

The John Deere operates on the hit-and-miss principle. By merely turning a hand nut located on the outside of crank case, the speed of the engine can be varied from one-half normal speed to ten per cent above normal speed without stopping engine. The vital parts of the governor and the hook-up mechanism are hardened to resist wear. The governor is entirely enclosed within the dust-proof case and operates in a bath of oil.

Engine Operates Without Vibration

Smoothness of running is a feature that every user appreciates in the John Deere. Because the operating parts are carefully balanced, this engine runs without vibration at any speed.



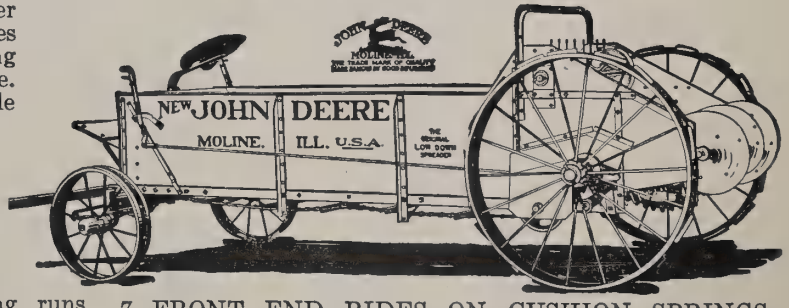
SIZES AND SPECIFICATIONS

H. P. Rated	Normal Speed R.P.M.	Bore, Inches	Stroke, Inches	Standard Pulley Size, Inches Diameter, Face
1½	600	3½	4½	4¾x4
3	550	4½	5½	6x5
6	500	6	7	12x6

Over-all Dimensions			Approximate Shipping Weight Lbs.	PRICE
Length	Width	Height		
33″	21″	20″	226	**$71.50**
39″	25″	23″	338	**107.00**
48″	33″	30″	698	**183.00**

NEW JOHN DEERE (MODEL E) MANURE SPREADER

From the all-steel tongue to the wide-spread beater which won't wrap, the new John Deere Model E gives you everything you want in a spreader. Nothing has been spared in making it a better all-around value. A spreader that will give more years of profitable service on your farm.



9 ADVANCED FEATURES

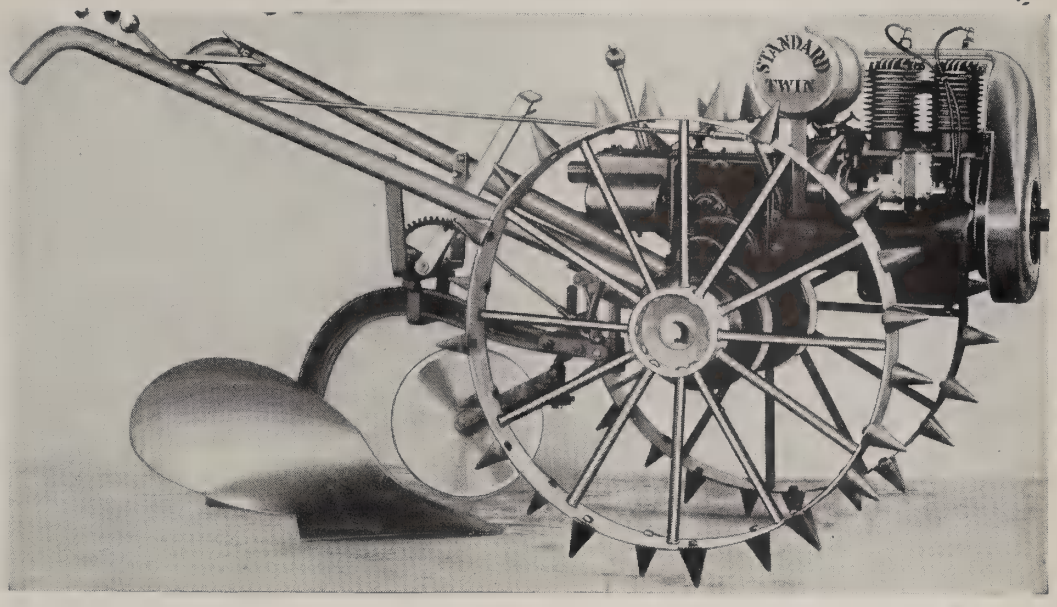
WHICH INSURE
EASIER LOADING—EASIER PULLING
BETTER WORK—LONGER LIFE

1. WIDE-SPREAD BEATER: Reduces wrapping, runs easier and smoother, and gives a wider and more even spread. Box scrapers keep sides clean.
2. BEATER ON THE AXLE: Permits higher drive wheels for easier pulling—a lower box for easier loading—makes possible fewer moving parts and sturdier construction. Beaters are close to the ground—winds do not cause drifting of manure.
3. LARGE, FOUR-BAR UPPER BEATER: Reduces wrapping, lightens draft and does a better job of shredding manure.
4. HARDENED STEEL ROLLER CHAIN DR VE: More than twice as strong as ordinary drive chain—does not wear out sprockets, lasts longer and runs easier.
5. HIGH, WIDE-TIRED REAR WHEELS: Give same light-draft advantage that a high-wheeled wagon has over a low-wheeled wagon.
6. STRONGER, BETTER BOX: Finest quality wood, creosoted and painted to resist manure acids and the weather. Well braced to stand up under years of heavy service. Stands heavy twisting strains without bending out of shape.
7. FRONT END RIDES ON CUSHION SPRINGS: Springs absorb field and road shocks—add to comfort of driver and life to spreader.
8. NEW, EASY, SHORT TURN: Easy to handle in sheds and field lots.
9. STEEL POLE AND EVENERS: Will not break—eliminate costly replacements.

PRICES:

Model "E" with 2-horse eveners and neck yoke	$185.00
Model "E" with 3-horse eveners and neck yoke	188.00
Model "E" with tractor hitch	185.00
No. 1389 End Gate Attachment as extra	10.00
No. 1484 Lime Sower Attachment	16.50
No. 1391 Tractor Hitch Deere 4-wheel standard tread tractor	8.00
No. 1473 Tractor Hitch for Deere Models "A," "B" and wide-tread tractors	8.25
No. 1094 Beater Hood Attachment	3.50
No. 1485 Ratchet Foot Brake	11.00
Above spreaders with 5.00 x 15 front and 6.50 x 36 rear rubber tires, add	97.50

STANDARD GARDEN TRACTOR



The illustration shows the "TWIN" with plowing attachment.

In meeting the need for compact power farming equipment, Standard now builds three sizes of tractors—the TWIN, the MONARCH and the WALSH—and we believe these latest Standard Models cover the complete field for the garden and small-farm tractor.

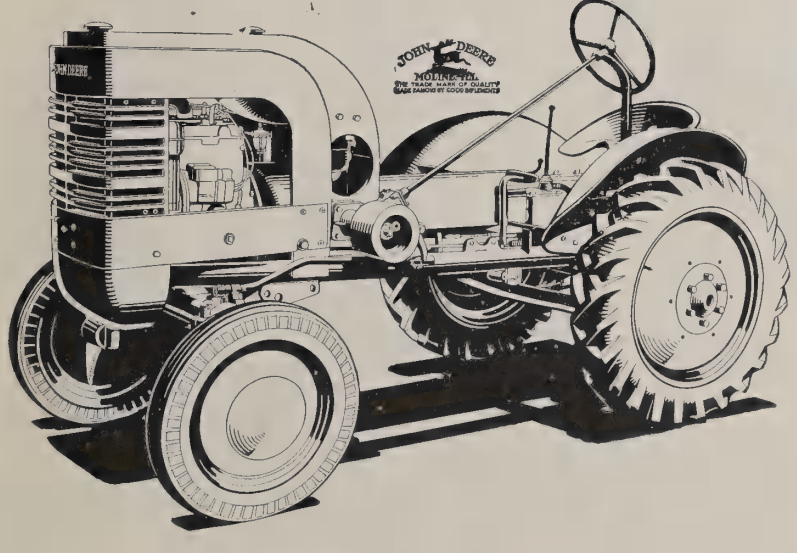
The New Standard "TWIN," with its 2 cylinders, 2 speeds and 5 H. P. engine, is built for the man with the larger acreage or extra severe conditions, who needs that excess capacity which only 2-cylinder power can give. It brings to the small tractor field that surplus of power and strength and smooth operation which have long been available to the big farmer—and in so doing marks a definite forward step in the progress of power on the small farm.

Of the Standard "MONARCH" little need be said. The acclaim of thousands of friends bespeaks its merit more truly than can any words. Powered with the Standard-built 3½-H. P., 1-cylinder, heavy duty engine, the "MONARCH" Models have for years blazed the trail, in bringing the benefits and economies of modern power to the intensive grower. Tried and proved by thousands, from one end of the country to the other and in almost every nation of the world, the Standard "MONARCHS" stand secure on the reputation they themselves have built.

In the lighter "WALSH" Model, Standard presents a latest development of the well-known Walsh Tractor—a sturdy, low-cost machine that has gained wide approval from coast to coast.

(Descriptive catalogue and prices mailed upon request.)

JOHN DEERE MODEL "L" TRACTOR



This tractor is built primarily to meet the requirements of the small general farmer, the vegetable grower, and the flower grower. It provides them with a light, economical power unit. In addition to the above, the tractor will be used in the care of public parks, golf courses, estates, and the mowing of grass and weeds on the public highways. It will do the plowing, seed bed preparing, planting and cultivating on small-sized general farms. It will do all farm work that is ordinarily done with a team of horses and will eliminate such operations as hand planting and hand cultivating on specialized farms.

An outstanding feature of the John Deere Model "L" Tractor is its stability and Power for its size and weight. Exhaustive field tests on Farms in all sections have proved the efficiency of the Model "L" in handling all of the jobs of seed bed preparation as well as planting and cultivating.

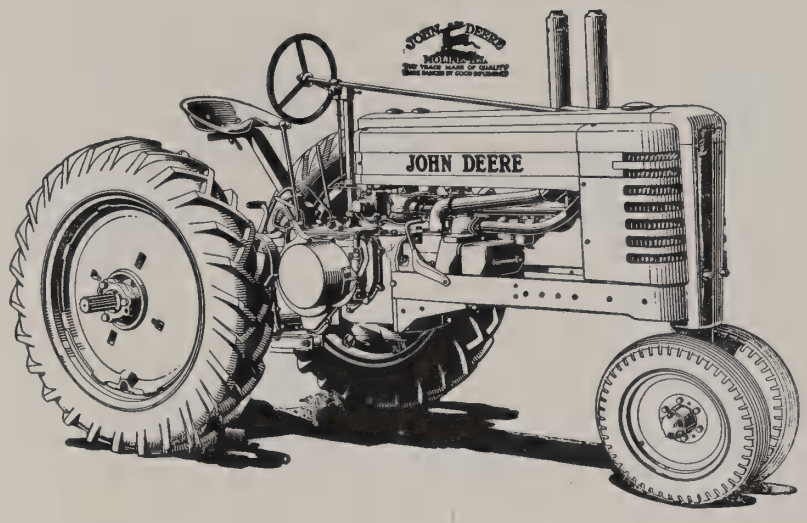
CAPACITY

This tractor will pull loads equal to those pulled by a two-horse team. For instance, it will pull a plow with a 12″ bottom, 7″ deep, in average plowing conditions in second gear (3¾ Miles per hour) and will handle all other jobs requiring a similar amount of power. It is built to surface cultivate a strip 80″ wide, handling, for instance, four 20″ rows or similar row conbinations requiring an 80″ cultivation. It will pull a three-unit lawn mower with a total cutting width of 84″. It can be used in place of a team for pulling a manure spreader.

It is to be remembered that while pulling loads ordinarily pulled with a team, the tractor will turn out much more work in a day than a team of horses because of the constant speed at which it works.

Write for Price

JOHN DEERE MODEL B GENERAL PURPOSE TRACTOR



WITH ADJUSTABLE TREAD

The Model B is an exact duplicate of the Model A, being approximately two-thirds its size. All of the features that make for practical, row-crop tractor perfection and economy that have been demonstrated in the Model A are included in the Model B. The Model B is powered with a simple, rugged, two-cylinder engine which makes possible simplicity and economy not obtainable elsewhere. The tread is adjustable on the rear axles fom 56 inches to 80 inches, with any desired setting in between.

Burns Distillate

It will successfully burn distillate, fuel oil, and similar low-cost fuels at a tremendous saving when compared with the cost of gasoline or kerosene.

Enclosed Operating Parts Automatically Oiled

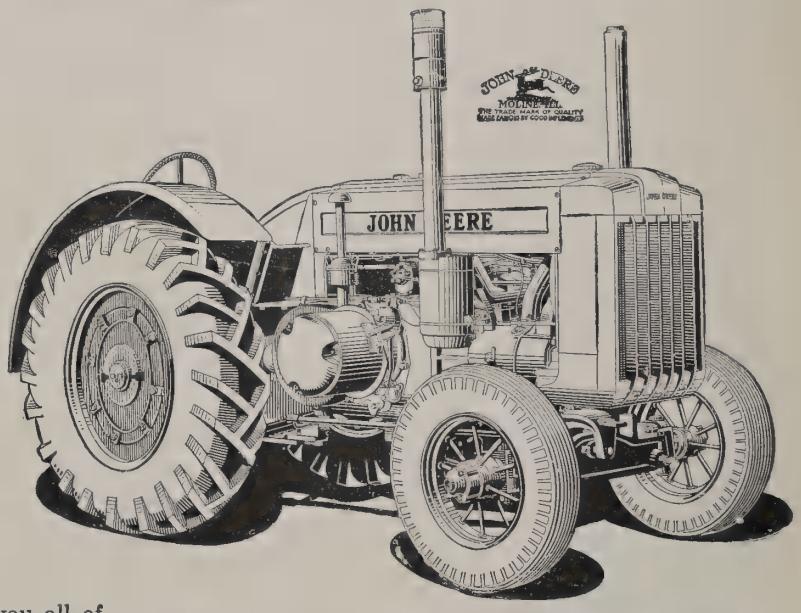
All of the important working parts are completely enclosed within a dust-proof case. Oil reservoirs are provided in the case. Parts operating in oil carry oil to all other parts within the case, insuring thorough lubrication.

Specifications

Capacity: One 16-inch or two 14-inch plows, 2-row planter or 2-row cultivator.
Speed: First, 2⅓; second, 3; third, 4; fourth, 5¼; M. P. H.
Crankshaft: Main bearings, 2¼ inches by 2½ inches. Connecting rod bearings, 2¼ inches by 2 inches.
Lubrication: Full force feed, pressure-geared pump with oil filter.
Carburetor: Double-jet type.
Air Cleaner: Wash down type with stack.
Cooling: Tubular radiator, thermo-siphon.
Air Fan: Gear driven, no belts; R. P. M. 1920; diameter 13½ inches.
Governor: Enclosed fly-ball type.
Clutch: Two 8-inch dry disks locking in and out.
Belt Pulley: 10⅝-inch diameter; 6-inch face; 1150 R.P.M.
Belt Speed: Feet per minute, 3200.
Transmission: Spur gear, selective type, four speeds forward, one speed reverse.
Gears: Forged steel cut and heat treated.
Fuel Tank Capacity: 13½ gallon gas.
Water Capacity: 5½ gallons.
Over-All Length: 125½ inches.
Width: 83½ inches.
Height at Top of Radiator: 57 inches.
Turning Radius: 8 feet.
Wheel Base: 80 inches.
Engine Bore and Stroke: 4¼ inches by 5¼ inches.
Weight: 2,845 pounds.

WRITE FOR PRICE

JOHN DEERE MODEL D FARM TRACTOR



The John Deere Model D Farm Tractor gives you all of the important features that go towards making power farming practical and profitable.

It has all-around farm adaptability; it has ample power to operate drawbar and belt machines of economical size; it is extremely simple, easy to understand and operate; its fewer but sturdier parts are fully enclosed and operate in oil—but for long life; it is easy to get at all parts and easy to make adjustments or repairs; its operating and maintenance costs are surprisingly low.

BURNS LOW-COST FUELS SUCCESSFULLY, EFFICIENTLY, SAFELY

SEND FOR SPECIAL CATALOGUE AND PRICES

LETZ

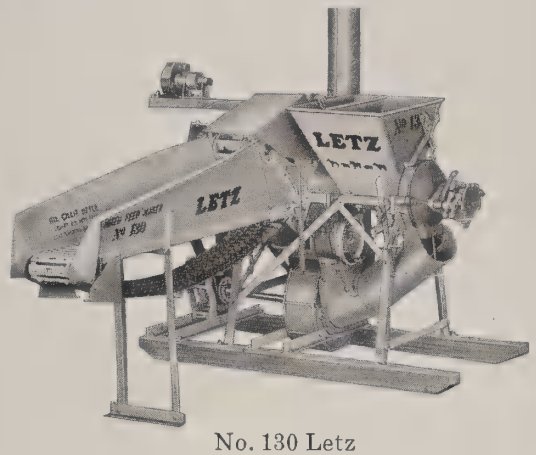
ROUGHAGE MILLS and SILO FILLERS

THE NEW MODEL "140"

High-capacity, light-draft low-priced, roughage mill, with finger feed, "Planer-Mill" cutter head, grain separator. Because of unusual light draft, small, "Baby" Tractors pull the new No. 140 to a capacity up to 1 to 1½ tons, even more, of hay, fodder or ear corn every hour. Make this test. For ten days, feed Letz chopped roughages to several of your milking cows—the hardest worked animals on the farm—then go back to the old preparation for four days. The results will speak for themselves.

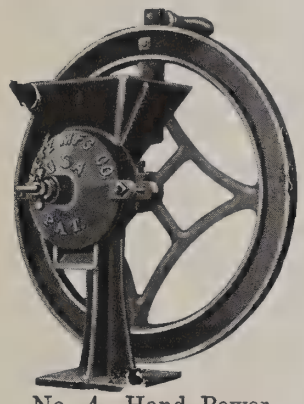
Beyond other feed preparation a Letz increases yearly livestock return.

$12.00 to $20.00 more per cow
4.00 to 10.00 more per steer
.50 to 1.00 more per lamb
1.00 to 3.00 more per hog
PRICE ON APPLICATION



No. 130 Letz

LETZ HAND AND SMALL POWER GRINDERS



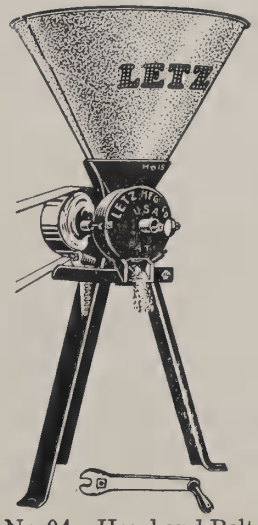
No. 4—Hand Power

While the No. 4 Grinder is a hand power only, the No. 04 is equipped with both hand crank and pulley, for operation by light power, making it the ideal combination for the small pumping engine or lighting plant motor.

For the poultry fancier or farmer feeding only a few animals, either of the above grinders offers a cheap, but most efficient way of preparing ground or cracked feed.

No. 4 Hand Power Grinder Price $5.50

Size of plates....4″
Diameter of flywheel....16″
Height over all....18″
Weight, crated....30 lbs.
Capacity per hour
1 to 3 bushels



No.04—Hand and Belt Power

No. 04 Hand and Belt Power Grinder Price $7.00

Size of plates....4″
Power required....½ to 1½ H.P.
Pulley, diameter....4″
Weight, crated....35 lbs.
Capacity per hour
2 to 6 bushels

LETZ GRINDERS *Make* Money *for* You!

BUCH'S HAND LEVER FEED CUTTER

This cutter is simple, durable, handsome and low priced. It has an 11-inch tempered curved knife, which can be adjusted to take up all wear, thus insuring a perfect shear cut at all times. Has gauge-plate adjustable to any length of cut up to 3 inches. Cuts either green or dry fodder.

Price, $7.50

LETZ

THE MODERN, HIGH-CAPACITY, HEAVY-DUTY HOPPER GRINDER

LETZ No. 110

Built for a lifetime of better grinding service. Built to uniformly granulate feeds. To make excellent cracked corn, wheat or barley. To pulverize small grains! To grind feeds all coarse, all medium, or all fine. To grind snapped corn with all the shuck! To grind sorghum heads with stems up to 4″ long. To grind soft corn, wet enough to wring water from!

10″ plates are regular, for 10-20 tractor. By using 8″ plates it is operated by small engines or motors, 5 to 7½ h. p.

Because it cuts the feed, because it forcefeeds, it has two to three times the capacity of the ordinary 10″ grinder. It keeps one man busy filling the hopper.

Price.....$73.00

LETZ No. 220

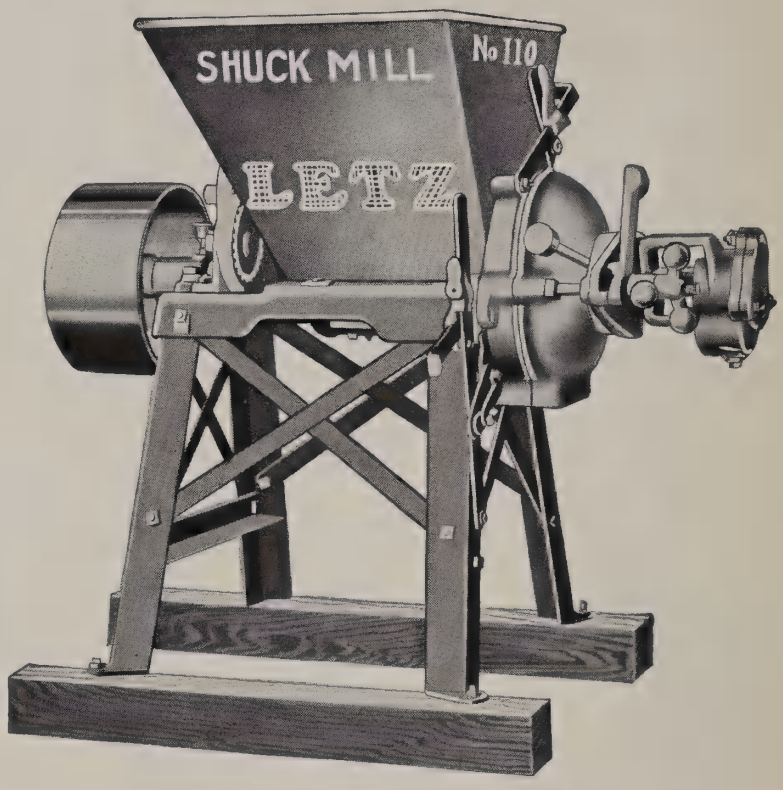
Is the larger size, heavy-duty Letz with 10½″ "zig-zag" shearing plates, for 15-27 tractors or simliar power.

Like its No. 110 companion, it grinds ear corn, snapped corn with shuck, maize heads and small grain, better, faster and cheaper!

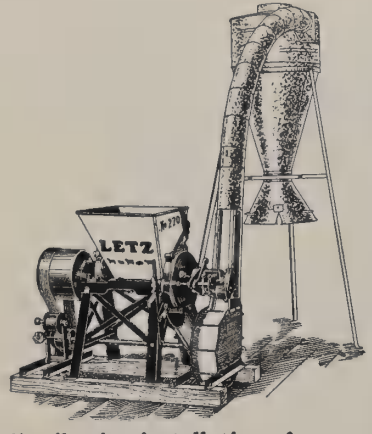
Improved design produces a sturdy and compact grinder of surpassing ability. No. 220 Letz has 1-11/16″ alloy-steel, main shaft with 6″ wide, overhanging main bearing, and the amazing Letz thrust bearing, all for heavy duty operation by any size power.

No. 220 delivers new high capacity—new, lower operating costs—new dependability—new value.

Price.....$85.50



No. 222 LETZ WITH EXHAUST FAN AND SACKING TOWER EQUIPMENT



Letz heavy-duty grinders are considered incomplete without the ball-bearing exhaust fan. The fan aerates, cools and delivers the ground feed. It mixes feeds, saves handling and rehandling work, stores the ground feed away more safely.

With exhaust fan you can dispose of the ground feed as you wish. You can add a sacking tower, swinging wagon box tower, or build up a feed distribution installation of your own, at low cost, by adding pipe, elbows, valves and branch lines to make the work of the fan still more valuable.

Blow your ground feed into overhead storage bins, into self-feeders, or to 3, 4, 5 or more storage locations within 100 feet radius from the grinder.

This is the way to meet the feed handling job, to cut costs and to add convenience! Why not make this installation now!

Price.....$173.00

Table of Capacities, Nos. 220 and 110 Series

	No. 220 LETZ Cap. in lbs. per hr.		No. 110 LETZ Cap. in lbs. per hr.	
	15-20 h.p. speed of mill 600–750 r.p.m.	25-30 h.p. speed of mill 800–850 r.p.m.	10-15 h.p. speed of mill 600–700 r.p.m.	15-20 h.p. speed of mill 700–850 r.p.m.
Snapped corn	4500-7000	6000-10000	2500-4000	4500-7000
*Kafir corn hds.	3500-5000	4000- 7000	2000-3000	3500-5000
All small grain	2000-3000	2500- 4000	1000-2000	2000-3000

*Kafir corn must be headed closely, with not more than 4″ of stem. Not for machine headed kafir corn.

Specifications for Nos. 220 and 110 Series

	No. 220 LETZ	No. 110 LETZ
Grinding plates	10½″ dia.	10″ dia.
Drive shaft	1-11/16″ dia.	1-7/16″ dia.
Pulleys	All 8″ face, 8, 10, 12, 14, 16, 18″ dia.	All 6″ face, 8, 10, 12, 14, 16, 18″ dia.
Speed recommended	600 to 850 r.p.m.	600 to 850 r.p.m.
Gross weight, plain grinder	464 lbs.	400 lbs.
Gross weight with fan and sacking tower equipment	741 lbs.	685 lbs.
Gross weight with fan and wagon box tower equipment	787 lbs.	731 lbs.
Gross weight with exhaust fan	632 lbs.	576 lbs.

Write For Special Catalogue and Prices

PLANTING, MATURITY AND WEIGHT TABLE

This is for field planting, and where plants and roots are started, it is necessary to have them ready before-hand. The third column indicates the distance that the plants should stand in the rows, and where seed is sown they should be thinned out to this distance. The fifth column indicates maturity from the time plants are planted in the field or seed is sown in the field. Also note that the last column is the approximate weight of seeds and not products. Time of planting and maturity is for latitude of Baltimore, Md.

* Indicates that the crop can either be planted in the Spring or Fall; if in the Spring, February to April; in the Fall, August and September.

	Time to Sow or Plant	Distance of Rows Apart	Distance of Plants in Rows	Quantity per Acre	Ready to Use	Approximate Weight of Seeds per bu. in lbs.
Alfalfa	*May to Sept.	Broadcast.	Broadcast.	20 lbs.	Next Year	60
Artichoke—Tubers	April to May	2½ ft.	2 ft.	6 to 8 bu.	Sept. to Oct.	50
Asparagus Seeds	April to May	15 in.	4 to 6 in.	8 to 10 lbs.	3 years	60
Asparagus—Roots	March to April	6 to 8 ft.	12 to 18 in.	4,000 to 7,000	2 years	....
Beans—Dwarf	April to Aug.	2½ ft.	4 to 6 in.	90 lbs.	8 weeks	60
Beans—Navy	May to June	2½ ft.	6 in.	45 to 60 lbs.	Winter	60
Beans—Soja	May to June	Broadcast.	Broadcast.	1 to 1½ bu.	Fall and Winter	60
Beans—Pole	May to June	4 ft.	3 ft.	40 lbs.	10 weeks	60
Beets—Table	March to July	12 to 18 in.	4 in.	6 to 8 lbs.	1½ to 3 mos.	19½
Beets—Sugar	April to June	2½ to 3 ft.	6 to 8 in.	5 to 6 lbs.	Fall and Winter	19½
Buckwheat	June to Aug.	Broadcast.	Broadcast.	1 bu. or 50 lbs.	Fall	50
Cabbage—Plants (early)	March to April	30 in.	15 to 20 in.	10,000 to 14,000	June to July	54
Cabbage—Plants (late)	July to Aug.	3 ft.	2 ft.	7,260	Fall and Winter	54
Carrot	April to June	1 to 2 ft.	3 to 4 in.	3 to 4 lbs.	45 to 70 days	28
Cauliflower—Plants	March to April	2½ ft.	2 ft.	8,000 to 10,000	3 months	54
Celery—Plants	June to Aug.	3 to 4 ft.	6 to 9 in.	15,000 to 30,000	4 to 5 months	37
Clover—Red and Sapling	Feb. to Sept.	Broadcast.	Broadcast.	8 to 10 lbs.	Next Year	60
Clover—Alsike	*Feb. to Sept.	Broadcast.	Broadcast.	5 to 8 lbs.	Next Year	60
Clover—Crimson	July to Sept.	Broadcast.	Broadcast.	12 to 15 lbs.	May 1	60
Corn—Garden	April to July	3 to 3½ ft.	9 to 15 ins.	8 lbs.	2 to 3 months	44 to 50
Corn—Field (drills)	April to July	3½ to 4 ft.	10 to 18 in.	7 to 8 lbs.	3 to 4 months	56
Corn—Field (checked)	April to July	3½ to 4 ft.	3½ to 4 ft.	6 lbs.	3 to 4 months	56
Cucumber	April to July	4 to 5 ft.	4 ft.	2 lbs.	2 to 2½ months	39
Egg Plant—Plants	May to June	3 ft.	2½ to 3 ft.	5,000 to 6,000	60 days	39
Endive	August	18 in.	12 in.	4 to 5 lbs.	2 to 2½ months	26
Grass Seed —(Light)	*Feb. to Oct.	Broadcast.	Broadcast.	1½ to 2 bu.	Next Year	14
Grass Seed —(Lawn)	Feb. to Oct.	Broadcast.	Broadcast.	100 to 125 lbs.	8 to 10 weeks	20
Horseradish—Roots	Feb. to March	2½ ft.	12 to 18 in.	12,000 to 15,000	6 to 8 months	....
Kale—Spring	Feb. to Sept.	Broadcast.	Broadcast.	6 to 8 lbs.	5 to 6 weeks	56
Kale—Winter	July to Sept.	Broadcast.	Broadcast.	3 to 4 lbs.	Fall to Spring	54
Kohl Rabi—Plants	April to May	1½ to 2 ft.	10 to 12 in.	21,000 to 34,000	2½ to 3 months	56
Lettuce—Plants	April to Sept.	12 to 15 in.	6 to 8 in.	40,000 to 80,000	1½ to 2 months	35
Melon—Musk	May to July	4 to 6 ft.	4 to 6 ft.	2 lbs.	2½ to 3 months	32
Melon—Water	May to June	8 to 10 ft.	8 to 10 ft.	3 lbs.	3 months	35
Millet—German	May to July	Broadcast.	Broadcast.	1 bu.	6 to 7 weeks	50
Mustard	March to Sept.	Broadcast.	Broadcast.	4 to 5 lbs.	6 to 8 weeks	56
Oats—Spring	March to April	Broadcast.	Broadcast.	1½ to 2 bu.	July 1	32
Oats—Winter	*Feb. to Sept.	Broadcast.	Broadcast.	1½ to 2 bu.	June 20 to July 10	32
Okra	April to May	2½ to 3 ft.	8 to 10 in.	8 to 10 lbs.	60 to 70 days	48
Onions—For large bulbs	April to May	12 to 14 in.	----------	4 to 5 lbs.	Aug. to Sept.	39
Onions—For sets	April to May	10 to 12 in.	----------	40 to 50 lbs.	Aug. to Sept.	39
Onion Sets	March to May	12 in.	4 in.	15 to 16 bu.	July	32
Parsley	March to April	12 in.	----------	15 lbs.	July	42
Parsnips	March to April	18 in.	4 to 6 in.	5 to 7 lbs.	Fall and Winter	18
Peas—Smooth	Feb. to March	2½ to 3 ft.	----------	84 to 112 lbs.	7 weeks	60
Peas—Wrinkled	April to May	2½ to 3 ft.	----------	84 to 112 lbs.	7 to 9 weeks	56
Peas—Canada Field	Feb. to April	Broadcast.	Broadcast.	90 lbs.	June 15	60
Peas—Cow	May to July	Broadcast.	Broadcast.	1½ bu.	3 months	60
Pepper—Plants	May 15	30 in.	15 to 18 in.	11,000 to 14,000	2 to 2½ months	28
Potatoes—(Early)	March to April	27 in.	10 to 12 in.	8 to 12 bu.	June to July	60
Potatoes—(Late)	July to August	30 in.	15 to 18 in.	8 to 10 bu.	Oct. to Nov.	60
Sweet Potatoes—Plants	May 15	3 ft.	20 to 24 in.	7,000 to 8,000	Sept. to Winter	45
Pumpkin	May	8 to 10 ft.	8 to 10 ft.	2 lbs.	Fall	24
Radish	March to Aug.	10 to 15 in	3 in.	8 to 10 lbs.	24 to 40 days	56
Rape	*Feb. to Sept.	Broadcast.	Broadcast.	6 to 8 lbs.	6 to 8 weeks	56
Rhubarb—Roots	March to April	4 ft.	2 to 3 ft.	5,000 to 7,000	Next Year	....
Rye	Aug. to Nov.	Broadcast.	Broadcast.	1 to 2 bu.	April 20	56
Salsify	March to April	1½ to 2 ft.	3 to 4 in.	6 to 8 lbs.	Fall and Winter	18
Spinach—Early	*Feb. to Sept.	Broadcast.	Broadcast.	15 to 20 lbs.	8 Weeks	48
Squash—Spring	May	4 ft.	3 ft.	3 lbs.	July	26
Squash—Winter	May to June	6 to 8 ft.	6 to 8 ft.	2 lbs.	Fall and Winter	22
Teosinte	May to June	3 to 3½ ft.	8 to 10 in.	3 to 5 lbs.	Aug. to Oct.	46
Tobacco—Plants	May to June	3 to 3½ ft.	2½ to 3 ft.	4,800 to 5,000	Sept. to Oct.	35
Tomato—Plants	May to July	4 ft.	3 to 4 ft.	2,700 to 3,600	July until frost	20
Turnip	March to Sept.	Broadcast.	Broadcast.	1½ to 2 lbs.	1½ to 2 months	56
Vetch	Aug. to Oct.	Broadcsat.	Boradcast.	50 lbs.	May	50
Wheat	Sept. to Oct.	Broadcast.	Broadcast.	1 to 1½ bu.	July 1	60

After the Early Crop is Over, Plant a Late Crop for Winter Use
Insure Your Garden with Wiseman-Downs Seeds

We will deliver by parcel post, prepaid, to any post office within the second zone, or within a radius of one hundred and fifty miles of Baltimore, Md., all Vegetable and Flower Seeds by the Packet, Ounce, Quarter Pound, Half Pound, Pound, Pint and Quart, at prices quoted in this catalogue. Above these quantities the purchaser pays transportation.

Postal weight on Peas, Beans and Corn approximately one pound to pint.

PARCEL POST RATES

Weight in pounds	Local	ZONES							
		1st up to 50 miles	2nd, 50 to 150 miles	3rd, 150 to 300 miles	4th, 300 to 600 miles	5th, 600 to 1,000 miles	6th, 1,000 to 1,400 miles	7th, 1,400 to 1,800 miles	8th, over 1,800 miles
1	$0.07	$0.08	$0.08	$0.09	$0.10	$0.11	$0.12	$0.14	$0.15
2	.08	.10	.10	.11	.14	.17	.19	.23	.26
3	.08	.11	.11	.13	.17	.22	.26	.32	.37
4	.09	.12	.12	.15	.21	.27	.33	.41	.48
5	.09	.13	.13	.17	.24	.33	.40	.50	.59
6	.10	.14	.14	.19	.28	.38	.47	.59	.70
7	.10	.15	.15	.21	.31	.43	.54	.68	.81
8	.11	.16	.16	.23	.35	.49	.61	.77	.92
9	.11	.17	.17	.25	.38	.54	.68	.86	1.03
10	.12	.18	.18	.27	.42	.59	.75	.95	1.14
11	.12	.19	.19	.29	.45	.64	.82	1.04	1.25
12	.13	.21	.21	.31	.49	.70	.89	1.13	1.36
13	.13	.22	.22	.33	.52	.75	.96	1.22	1.47
14	.14	.23	.23	.35	.56	.80	1.03	1.31	1.58
15	.14	.24	.24	.37	.59	.86	1.10	1.40	1.69
16	.15	.25	.25	.39	.63	.91	1.17	1.49	1.80
17	.15	.26	.26	.41	.66	.96	1.24	1.58	1.91
18	.16	.27	.27	.43	.70	1.02	1.31	1.67	2.02
19	.16	.28	.28	.45	.73	1.07	1.38	1.76	2.13
20	.17	.29	.29	.47	.77	1.12	1.45	1.85	2.24
21	.17	.30	.30	.49	.80	1.17	1.52	1.94	2.35
22	.18	.32	.32	.51	.84	1.23	1.59	2.03	2.46
23	.18	.33	.33	.53	.87	1.28	1.66	2.12	2.57
24	.19	.34	.34	.55	.91	1.33	1.73	2.21	2.68
25	.19	.35	.35	.57	.94	1.39	1.80	2.30	2.79
26	.20	.36	.36	.59	.98	1.44	1.87	2.39	2.90
27	.20	.37	.37	.61	1.01	1.49	1.94	2.48	3.01
28	.21	.38	.38	.63	1.05	1.55	2.01	2.57	3.12
29	.21	.39	.39	.65	1.08	1.60	2.08	2.66	3.23
30	.22	.40	.40	.67	1.12	1.65	2.15	2.75	3.34
31	.22	.41	.41	.69	1.15	1.70	2.22	2.84	3.45
32	.23	.43	.43	.71	1.19	1.76	2.29	2.93	3.56
33	.23	.44	.44	.73	1.22	1.81	2.36	3.02	3.67
34	.24	.45	.45	.75	1.26	1.86	2.43	3.11	3.78
35	.24	.46	.46	.77	1.29	1.92	2.50	3.20	3.89
36	.25	.47	.47	.79	1.33	1.97	2.57	3.29	4.00
37	.25	.48	.48	.81	1.36	2.02	2.64	3.38	4.11
38	.26	.49	.49	.83	1.40	2.08	2.71	3.47	4.22
39	.26	.50	.50	.85	1.43	2.13	2.78	3.56	4.33
40	.27	.51	.51	.87	1.47	2.18	2.85	3.65	4.44
41	.27	.52	.52	.89	1.50	2.23	2.92	3.74	4.55
42	.28	.54	.54	.91	1.54	2.29	2.99	3.83	4.66
43	.28	.55	.55	.93	1.57	2.34	3.06	3.92	4.77
44	.29	.56	.56	.95	1.61	2.39	3.13	4.01	4.88
45	.29	.57	.57	.97	1.64	2.45	3.20	4.10	4.99
46	.30	.58	.58	.99	1.68	2.50	3.27	4.19	5.10
47	.30	.59	.59	1.01	1.71	2.55	3.34	4.28	5.21
48	.31	.60	.60	1.03	1.75	2.61	3.41	4.37	5.32
49	.31	.61	.61	1.05	1.78	2.66	3.48	4.46	5.43
50	.32	.62	.62	1.07	1.82	2.71	3.55	4.55	5.54
51	.32	.63	.63						
52	.33	.65	.65						
53	.33	.66	.66						
54	.34	.67	.67						
55	.34	.68	.68						
56	.35	.69	.69						
57	.35	.70	.70						
58	.36	.71	.71						
59	.36	.72	.72						
60	.37	.73	.73						
61	.37	.74	.74						
62	.38	.76	.76						
63	.38	.77	.77						
64	.39	.78	.78						
65	.39	.79	.79						
66	.40	.80	.80						
67	.40	.81	.81						
68	.41	.82	.82						
69	.41	.83	.83						
70	.42	.84	.84						

WEIGHT OF AGRICULTURAL SEEDS, PER BUSHEL, AND QUANTITY USUALLY SOWN PER ACRE

Weight per Bushel		Pounds per Acre.
14 lbs.	Awnless Brome	35 to 40 lbs.
60 lbs.	Alsike, alone	6 lbs.
60 lbs.	Alfalfa or Lucerne	20 lbs.
48 lbs.	Barley, broadcast	2 bus.
.... lbs.	Broom Corn, in hills	6 to 8 qts.
48 lbs.	Buckwheat, broadcast	1 bus.
21 lbs.	Crested Dog's Tail	25 lbs.
20 lbs.	Creeping Bent	50 lbs.
60 lbs.	Crimson Clover	15 to 20 lbs.
56 lbs.	Corn, for soiling	1 to 2 bus.
24 lbs.	English Rye or Perennial Rye	50 lbs.
20 lbs.	Evergreen Lawn	3 to 4 bus.
56 lbs.	Flax, for seed	1 bus.
.... lbs.	Flax, for fiber	2 to 3 bus.
56 lbs.	Field Corn, in hills	4 qts.
50 lbs.	German Millet	50 lbs.
48 lbs.	Hungarian Millet	48 lbs.
44 lbs.	Hemp	22 lbs.
20 lbs.	Italian Rye	50 lbs.
14 lbs.	Kentucky Blue	38 lbs.
22 lbs.	Meadow Fescue	50 lbs.
7 lbs.	Meadow Foxtail	30 lbs.
14 lbs.	Orchard Grass	42 lbs.
32 lbs.	Oats, broadcast	2 to 2½ bus.
10 lbs.	Red Top chaff	40 to 50 lbs.
14 lbs.	Red Top, unhulled	30 to 40 lbs.
32 lbs.	Red Top, fancy	6 to 8 lbs.
60 lbs.	Red Clover	15 lbs.
56 lbs.	Rye, broadcast	1 bus.
12 lbs.	Sheep Fescue	30 lbs.
48 lbs.	Sorghum, drills	4 qts.
.... lbs.	Sorghum, broadcast	8 qts.
10 lbs.	Tall Meadow Oat	50 lbs.
45 lbs.	Timothy, alone	¼ bus.
.... lbs.	Timothy, with other grasses	8 lbs.
	Together for an acre	
.... lbs.	Red Clover	8 lbs.
.... lbs.	Timothy	10 lbs.
.... lbs.	Red Top	14 lbs.
60 lbs.	Vetches, broadcast	1 bus.
14 lbs.	Wood Meadow	30 lbs.
60 lbs.	White Clover, alone	6 lbs.
.... lbs.	White, Clover, with other grasses	3 lbs.
60 lbs.	Wheat, broadcast	1½ to 2 bus.
.... lbs.	Wheat, in drills	1½ to 2 bus.

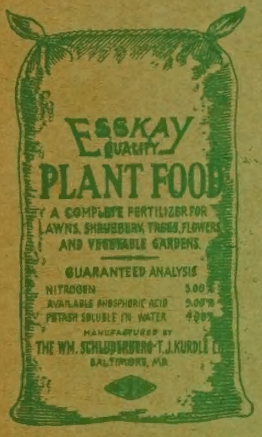
VEGETABLE SEED TABLE

THE QUALITY OF SEED USUALLY SOWN TO AN ACRE

Asparagus	5 lbs.
Beans, dwarf in drills	1 bus.
Beans, pole in hills	8 to 10 qts.
Beet, in drills	4 to 6 lbs.
Cabbage, in beds, to transplant	¼ lb.
Carrot, in drills	2 to 3 lbs.
Celery, to transplant	½ lb.
Corn, in hills (sugar)	4 qts.
Kale	4 to 6 lbs.
Melon, musk	1½ to 2 lbs.
Melon, water	2 to 3 lbs.
Mustard, broadcast	12 to 16 lbs.
Mengal wurzel	4 to 6 lbs.
Onions, in drills to make large onions	6 to 8 lbs.
Onion Seeds, for small sets	40 to 60 lbs.
Parsnips, in drills	4 to 6 lbs.
Peas, early, in drills	1¼ bus.
Peas, Marrowfat, in drills	1¼ bus.
Peas, broadcast	2 to 3 bus.
Potato, cut tubers in drills	8 to 11 bus.
Radish, in drills	6 to 8 lbs.
Radish, broadcast	10 lbs.
Salsify, in drills	6 to 8 lbs.
Spinach, in drills	12 to 20 lbs.
Squash, bush varieties, in hills	4 to 6 lbs.
Squash, running varieties, in hills	3 to 4 lbs.
Turnip, in drills	1 lb.
Turnip, broadcast	2 lbs.
Tomato, to transplant	¼ lb.

We would advise placing your order early. This applies to both Seeds and Implements; the former, because of the present conditions in Foreign Countries where a good portion of our seed stocks are grown and which is going to cause a shortage of a number of items; as to Farm Implements, due to the defense preparations of the Government, there will probably be a delay in shipments from the different factories, so while we have stocks on hand which we think will be sufficient for the present, we feel that prices will likely advance, so we are obliged to quote all prices in this Catalogue—Subject to Change Without Notice.

FERTILIZERS



ESSKAY QUALITY PLANTFOOD

A complete organic fertilizer consisting of blood, bonemeal, tankage and potash scientifically blended for Flowers, Lawns, Vegetables, Trees and Shrubs. It is economical, NON BURNING, and pleasant to use. It builds up the soil and leaves no acid residue. Approved and recommended by Florists, Nurserymen and Gardeners everywhere.

PRICES

100 Lb. Bags	$3.50 Per Bag
50 Lb. Bags	2.35 Per Bag
25 Lb. Bags	1.50 Per Bag
10 Lb. Bags	.75 Per Bag
2 Lb. Bags	.25 Per Bag
	65.00 Per Ton

ALUMINUM SULPHATE

For rhododendrons and azaleas. **1 lb. 10c 5 lbs. 30c 100 lbs. $4.00.**

BLOOD—DRIED

Very quick in action. Excellent for roses and other garden flowers. Also extensively used in greenhouses. **5 lbs. 50c 10 lbs. 70c 50 lbs. $3.00 100 lbs. $5.00.**

BONE FLOUR

Very fine and bolted. Acts almost immediately. Rich in phosphoric acid and ammonia. Exceptionally good for roses. **5 lbs. 50c 10 lbs. 80c 25 lbs. $1.50 100 lbs. $5.00.**

BONE MEAL

Made from pure raw bone. Unusually rich in nitragin and phosphoric acid. Especially recommended for lawns and flowers. **5 lbs. 25c 25 lbs. $1.00 100 lbs. $2.75.**

COW or CATTLE MANURE

Very good for roses. Convenient to handle. Especially suited for soil mixing. **5 lbs. 30c 25 lbs. $1.00 100 lbs. $3.00.**

GRANULAR "AERO" CYANAMID

For weed control in seed beds. No question remains as to its effectiveness if it is properly done. Per 100 lb. bag **$2.25**

LAND PLASTER

Used for top dressing newly plowed land, prior to harrowing; also used for mixing with Paris Green. **100 lb. bag $1.25.**

LIME (Hydrated)

Fine for spreading on lawns to sweeten the soil; also has a tendency to prevent the growth of weeds. **50 lb. bag 50c 500 lbs. $4.00**

MURIATE OF POTASH

For mixing with other fertilizers. Used at rate of 100 to 150 pounds per acre. Analysis equal to 50% actual potash. **5 lbs. 40c 25 lbs. $1.00 100 lbs. $2.50.**

NITRATE OF SODA

Apply 100 to 150 pounds per acre, mixing with land plaster or other fertilizers, to render application more easy. Used only after plants are above ground. If used in liquid form, dilute 2 ounces to one gallon of water, and do not apply oftener than twice a week. **5 lbs. 40c 10 lbs. 75c 100 lbs. $2.75.**

PEAT MOSS (Maine)

Highest grade, clean and free from dirt or other refuse. Excellent for mulching flower beds of all kinds, shrubs, evergreens, lawns, hotbeds, etc. Conserves moisture, Price, **Large bale about 20 bu. $3.50.**

SALT (Coarse)

For asparagus beds and putting on road and walks to kill weeds. Apply 800 pounds per acre in early Spring. **10 lbs. 25c, 50 lbs. 75c, 100 lb. bag $1.25.**

SHEEP MANURE

Apply 1,000 pounds per acre. One of the most extensively used of animal manures. For garden, lawn or greenhouse use. Clean and easy to handle. **5 lbs. 25c, 10 lbs. 45c, 25 lbs. $1.00, 100 lbs. $2.50.**

SULPHATE OF AMMONIA

Lb. 10c, 5 lbs. 30c, 10 lbs. 45c, 100 lbs. $3.00.

RECOMMENDED BY UNIVERSITY OF MARYLAND

2-12-6—Field Corn, Wheat, Rye, Winter Barley, (200-400) on Piedmont and Mountain Valley soils. For annual legumes on heavy unmanured soils (200-400). Alfalfa at planting time (300-700).....**167 lb. bag $2.75**.....

0-12-12—Soybeans, cowpeas (200-300), Alfalfa (300-800), and the fall-planted green manure crops (200-400) on the lighter soils.....**167 lb. bag $2.75**..

2-8-10—Sweet Potatoes (800-1200), Carrots, Parsnips, Turnips and other root crops (400-800).....**167 lb. bag $2.75**

3-12-6—Sweet Corn (200-500), and Tomatoes (500-1000), for canning on heavy soils and where manure is used. Winter Grains, Field Corn (200-500), on light soils. Late Potatoes (600-1000) on heavy soil. Grass Sod, Cover Crops and Orchards.....**167 lb. bag $3.00**

5-10-5—Cannery Peas and Beans on heavy soil or well-manured soil (400-800). Sweet Corn (200-600) for market, early and mid-season Strawberries (300-600).
167 lb. bag $3.00

4-8-8—Tomatoes (500-1000) in rotation with field crops on light soils. Late Potatoes (500-1000), Asparagus (400-800).....**167 lb. bag $3.00**

5-8-12—For vine crops—Melons and Cucumbers on light soils and for Tomatoes on sandy soils (400-1000)
167 lb. bag $3.25

6-8-6—Early Potatoes (2000), Asparagus, Late Strawberries, Leafy Vegetables, and other truck crops (400-800). Canning Peas on light soils (400-800). Spring application on Pastures and Lawns (200-400).....**167 lb. bag $3.25**

4-12-4—Fall applications on Pastures, Turf Grasses (200-400) and Home Lawn (10-20 lbs. per 1000 square feet). The higher analysis to be used where more phosphorus is needed.....**167 lb. bag $3.00**

All Prices Subject to Change Without Notice

'WISDOM' EVERGREEN LAWN GRASS

This Lawn Mixture is prepared with the utmost care and with years of experience behind it. We put into it, only those grasses which are adapted for making a velvety-green lawn, and if planted properly will produce a beautiful lawn in about six weeks after planting. It is a well-balanced mixture of those grasses that are at their best during different months of the year.

1 lb. **40c** 2 lbs. **75c** 5 lbs. **$1.50** 10 lbs. **$2.75** 20 lbs. **$5.00**

SHADY NOOK LAWN GRASS

If not too densely shaded, this mixture will be found very desirable for those shady spots where it is hard to get other grass to grow, as it contains those grasses that are better adapted for shade.

1 lb. **50c** 2 lb. **90c** 5 lbs. **$2.00** 10 lbs. **$3.25** 20 lbs. **$6.00**

Plant at the rate of 1-lb. to 200 square feet.